

ALLIED

ELECTRONICS FOR EVERYONE 1968

OUR 47TH YEAR • CATALOG 270 • INDEX PAGE 411



SATISFACTION GUARANTEED OR YOUR MONEY BACK

See Page 3



including the
COMPLETE

knight-kit®

CATALOG

Pages 421 - 517

ALLIED RADIO

100 N. WESTERN AVE. • CHICAGO, ILL. 60680 • HA 1-6800 (AREA CODE 312)

Garrard Synchro-Lab Automatic Turntables



**WORLD-FAMOUS
GARRARD PRECISION
CRAFTSMANSHIP PLUS
PERFECT SPEED**

Revolutionary New Motor

Now Garrard combines the advantages of synchronous and induction-type motors in its new Synchro-Lab motor—an ideal combination of power and precision! You get constant and perfectly accurate turntable speed, regardless of variations in line voltage or number of records on the platter.

Bases optional

B



A



only 1¢ more

Choice of Elliptical Cartridge



Empire
888E
Reg. \$39.95



Pickering
V15/ATE-3
Reg. \$39.95



Shure
M44E
Reg. \$34.50

only \$5 more

Choice of Deluxe Elliptical



Empire
888TE
Reg. \$49.95



Pickering
XV15/AME
Reg. \$49.95

NEW!

Garrard Synchro-Lab Automatic Turntables—with Cartridge Sale

A Superb SL95 Turntable

SL95 with New
Empire 999VE Super-
Deluxe Elliptical
Cartridge



only \$25 more

Save \$49.95. New
999VE with SL95
Turntable. For
finest stereo per-
formance.
13 B 0083 DU.....
154.50
999VE Alone.
13 B 3975 S. 74.95

With Elliptical Cartridge	With Deluxe Elliptical	SL95 Alone
\$129.51	\$134.50	\$129.50

- Gimballed Low-Mass Arm • New Cueing Control
- Anti-Skating Control • Automatic or Manual

Save Up to \$39.94. Best ever from Garrard! Boasts new Synchro-Lab motor, new adjustable counterweight, new combined manual and cueing controls, new stylus force dial, new arm with unique gimballed pivots. 33-1/3, 45 and 78 rpm. Less base, 45-rpm automatic spindle. Specify 888E, V15/ATE-3 or M44E cartridge. Shpg. wt., 13 lbs.
13 B 0081 CDU. \$7 Monthly..... 129.51

SL95 With Deluxe Elliptical Cartridge for \$5 More. Save \$44.95. Empire 888TE or Pickering XV15/AME—specify, 13 lbs.
13 B 0082 CDU. \$7 Monthly..... 134.50
13 B 3061 U. Model SL95 Alone..... 129.50

B Deluxe SL75 Turntable

With Elliptical Cartridge	With Deluxe Elliptical	SL75 Alone
\$109.51	\$114.50	\$109.50

- Synchro-Lab Motor • Cueing Control
- Incredibly Smooth, Rumble-Free Operation

Save Up to \$39.94. Precision automatic turntable features new Synchro-Lab motor. New 12" platter, new twin-braced aluminum arm. New Auto-Rise safety record platform telescopes out of way during single play. 33-1/3, 45 or 78 rpm. Less base, 45 rpm automatic spindle. Specify 888E, V15/ATE-3 or M44E cartridge. Shpg. wt., 13 lbs.
13 B 0084 CDU. \$6 Monthly..... 109.51

SL75 With Deluxe Elliptical Cartridge for \$5 More. Save \$44.95. Empire 888TE or Pickering XV15/AME—specify, 13 lbs.
13 B 0085 CDU. \$6 Monthly..... 114.50
13 B 3062 U. Model SL75 Alone..... 109.50

SEE PAGES 52-54 FOR DETAILS ON THE COMPLETE LINE OF GARRARD TURNTABLES AND ACCESSORIES

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ALLIED

**guarantees your
complete
satisfaction
or your money back**

If for any reason you are not satisfied with your purchase, return it to us and we will exchange it or return your money less transportation charges. Merchandise returned must not have been abused or altered or, in the case of kits, incompletely assembled.

This is the Allied Pledge

- ★ TO SAVE YOU TIME AND MONEY
- ★ TO GIVE YOU GREATEST SELECTION
- ★ TO GIVE YOU HIGHEST QUALITY
- ★ TO SHIP SPEEDILY AND SAFELY
- ★ TO SATISFY YOU COMPLETELY

ALLIED RADIO CORPORATION

100 NORTH WESTERN AVENUE, CHICAGO, ILL. 60680
HAYmarket 1-6800 (Area Code 312)

the world's largest electronics supply house

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see pages 408-410

ALLIED 3

Step Up to Better Living . . . NO MONEY DOWN
for Anything You Buy with an ALLIED CREDIT FUND
ACCOUNT . . . Take Up to Two Years to Pay

YOU GET THESE **9** BIG ADVANTAGES

1 NO MONEY DOWN

Allied makes it easy to buy and so convenient! Buy whatever you want to the full limit of your Credit Fund. No money down. Nothing to pay for 30 days.

2 CONTINUOUS BUYING POWER

Your Allied Credit Fund is like a lump sum deposit of money invested by Allied in your good faith, set aside in your name and ready for use by you alone at any time.

3 YOU CAN TAKE UP TO 24 MONTHS TO PAY

Allied spreads your payments to suit your budget. Your Allied Credit Fund is established for your convenience.

4 A PERMANENT AND SELF-REPLENISHING FUND

Your purchases are charged against your Credit Fund, but every payment you make reduces the balance due and at the same time increases your credit. Your Credit Fund is always ready for you to use over and over again.

5 MAKE ADD-ON PURCHASES ANYTIME

You don't have to complete payments on a previous purchase to make a new purchase. Just say, "Charge It". After your first order, your signature on any Allied order blank is all you need to make your future purchases. Minimum add-on order required is only \$10.

6 YOU ALWAYS KNOW WHERE YOUR ACCOUNT STANDS

You get a full statement each month. We do the paperwork — no complicated records for you to keep. We send you a personal statement showing your purchases, payments, unpaid balance, and most important—the amount of unused credit in your account for add-on purchases.

7 USE YOUR CREDIT FUND AS A 30-DAY CHARGE ACCOUNT

No service charge at all when you pay in full within 30 days—the same benefit as a regular charge account.

8 SHOPPING IS QUICKER AND EASIER

You never have to figure freight or delivery charges—we prepay them and include them in your statement.

9 BEST CREDIT TERMS IN THE ELECTRONICS INDUSTRY

It's the simplest, most convenient way to buy anything in electronics. *Plus Benefits:* A single low monthly payment brings you anything Allied sells. All you pay is a small monthly service charge, which is automatically reduced every time you make a payment. No service charge at all if paid in 30 days.



Here's how your **CREDIT FUND** works . . .

When you first open an Allied CREDIT FUND account, we set up a Credit Fund in your name. It allows you a definite amount which we set aside in a lump sum credit deposit for your personal use. Buy anything you want. You always know exactly how much more credit is available to you. It's as easy as writing a check on your bank account. Under the CREDIT FUND Plan, you can enjoy top buying power for low monthly payments. Example: A monthly payment of \$26 buys up to \$625.00—for only \$5 monthly, you can buy up to \$100.00.

To Open Your Credit Fund Account . . .

You can begin enjoying the advantages of an Allied CREDIT FUND account today. Just fill in application on the back of our order blank and send it in with your order. It's that easy.

Low Monthly Payments . . .

You can use all or any portion of the amount in your Fund. Your monthly payments depend on the amount you use (see Table at right).

Each time you buy, you draw against your Fund, but each payment you make goes toward building up more and more credit because you are continually replenishing the Fund. This means you can add-on new orders at any time—up to the full amount of your Credit Fund.

Only Your Signature on Add-On Orders . . .

You can "add-on" orders at any time for the unused amount in your Fund with no money down. Just sign your order in the space provided (minimum order \$10). Determine your monthly payment in the following way:

1. Add amount of add-on order to your present unpaid balance.
2. See Table at right to find monthly payment for new unpaid balance.
3. If the monthly payment is the same or less than the amount you are currently paying, no change in your monthly payment is required.
4. If monthly payment for your add-on order, plus your present unpaid balance is more than you currently pay, we will show the new monthly payment on your next statement.

Simplest, Easiest Plan . . .

Because you get a detailed personal statement each month, you don't have to bother with bookkeeping. You can check accuracy in seconds. Allied's CREDIT FUND Plan is the last word in low-cost convenience.

No application accepted from persons under 21 years of age

**Check Here for How
Much You Can Buy
and How Little You
Pay Each Month**

**CREDIT FUND
PAYMENT TABLE**

Monthly Payment	Unpaid Balance
Only	Buys Up To
\$5	\$100
\$6	\$120
\$7	\$140
\$8	\$160
\$9	\$180
\$10	\$200
\$11	\$220
\$12	\$240
\$13	\$260
\$14	\$280
\$15	\$310
\$16	\$340
\$17	\$370
\$18	\$400
\$19	\$440
\$20	\$480
\$21	\$500
\$22	\$525
\$23	\$550
\$24	\$575
\$25	\$600
\$26	\$625

Over \$625—Monthly payments will be in proportion to amounts on chart.

Small Service Charge. Only a small service charge of 1½%, minimum 50¢, is added to your previous month's balance. There are no other charges. Your monthly statements show exactly what you pay, what you owe and how much unused credit you have.

*Application Blank is on the
Reverse Side of Order Blank*

**JUST SAY, "CHARGE IT"
AND WE WILL OPEN AN
ALLIED CREDIT FUND
ACCOUNT FOR YOU**



Why Buy by Mail from **ALLIED**?

Each year Allied fills more than a million orders by mail.

Only the complete facilities of the world's largest electronics supply house can satisfy all the needs of hi-fi enthusiasts, CB users, engineers, "Hams" and experimenters.

WORLD'S LARGEST SELECTIONS

In your hands you hold a 518-page shopping guide that lets you select from 15 major manufacturers of hi-fi receivers, tuners and amplifiers—14 brands of tape recorders—7 makes of turntables—and nearly 100 speakers from a dozen manufacturers. Plus similar choices in every area of electronics—CB and Ham, test equipment, kits (including Knight-Kits), parts, supplies... anything you want.

MANY PRODUCTS NOT AVAILABLE ANYWHERE ELSE

As the world's largest supplier of electronics, Allied can afford to stock thousands of items not available elsewhere. In addition, many products are specially-designed and built to our specifications.

WE QUALITY-TEST WHAT WE SELL

Among all electronics supply houses, only Allied has a continuous program of quality-testing to assure you that everything you buy meets the highest standards.

IMMEDIATE SHIPMENT

There's no delay when you deal with the world's largest electronics supply house. Orders are filled promptly—usually the day they're received. Our greatly expanded facilities, recently completed, are designed to give you the best and fastest service possible.

NO MONEY DOWN— UP TO TWO YEARS TO PAY

You don't need cash at Allied—and you can take up to 24 months to pay. Make "add-on" purchases—even though you are already paying for something else. It's easy to be a credit customer at Allied.

FIRST WITH LATEST FOR 47 YEARS

We have always been the first to offer the latest developments in electronics, as you will see when you read through the colorful and exciting pages of this catalog.

COUNT YOUR SAVINGS AT ALLIED

You always get the lowest prices at Allied. Check our prices in this catalog and compare. Look for our special values—available only from Allied.

SATISFACTION GUARANTEED OR YOUR MONEY BACK

You can buy with complete confidence from Allied. We guarantee satisfaction or your money back. See page 3 for details.



ENJOY "EASY-CHAIR" SHOPPING

Shopping's easy from this catalog. More accurate, too! You always know *exactly* what you get. And *what a choice!* We feature a selection of merchandise so vast that no store could ever assemble and stock it all.



New Solid-State Stereo Receivers

WITH DELUXE CIRCUITS, LATEST FEATURES

ALLIED

STEREO RECEIVERS

Satisfaction Guaranteed or your money will be refunded under Allied's Guarantee of satisfaction—see page 3

Available Only at Allied. These Allied extra-value receivers are available exclusively from Allied Radio

Quality Is "Designed-In." All Allied receivers are designed and engineered to our rigid specifications

New Solid-State Models. These feature the latest developments in solid-state circuits and technology

You Get Value-Plus Quality. Allied receivers offer deluxe features found only in the most expensive receivers

Allied's Hi-Fi Manager's money-saving Stereo Ensembles featuring Allied receivers are on pages 8, 9, 13, 15-17.

Other Allied Products. On adjoining pages you will find Allied receivers, amplifiers, tuners, headphones, speakers and furniture.

Shown in walnut case



NEW!

Allied 355 Solid-State 45-Watt Stereo FM-AM Receiver

\$179⁹⁵
\$9 monthly

With
Metal
Case

- Transformerless Output for Wide Frequency Response
- 90 Watts Peak Power Output • 2 μ V FM Sensitivity
- Precision Tuning Meter • Tape Monitor Facilities
- 59 Semiconductors • Modern Rocker Switches

The new Allied 355 receiver offers many exciting features, exceptional hi-fi performance, and decorator-designed styling at a surprisingly low price. You would expect to pay more for a receiver with such deluxe features as tape monitor, automatic all-electronic Schmidt FM stereo/mono switching, switchable AFC, unique plug-in short-free polarized speaker connectors, and five-transistor protection circuit for output transistors.

Direct-coupled output assures wide power bandwidth. Front-end has multi-ganged tuning capacitor with independent oscillator circuit, mixing circuit for sensitive, stable, drift-free performance. IF strip has two noise limiters for reception free of distortion and noise. Illuminated meter for precise tuning. Stereo indicator light. Front-panel stereo headphone jack.

Virtually short-proof, plug-in speaker connectors with barrier-type construction. Positive-action rocker switches. Receiver is easy to custom-mount, if desired. Complete with metal case; optional oiled walnut case below. For 110-120 volts, 50-60 Hz AC. From Japan. Shpg. wt., 2 lbs.

14 B 5071 U. \$9 Monthly..... **179.95**
14 B 5003 X. Oiled Walnut Wood Case. Shpg. wt., 6 lbs..... **19.95**

SPECIFICATIONS

AMPLIFIER CIRCUIT. Power Output: 45 watts, IHF, 90 watts peak, 17.6 watts per channel rms at 4 ohms. Response: ± 1 dB, 20-30,000 Hz. Harmonic Distortion: .25% at 1 watt. Hum and Noise: Magnetic Phono, -60 dB; Aux., -70 dB. Outputs: 4-16 ohms, headphones, recorder. Input Sensitivity: Mag. Phono, 2.5 mV; Aux., 190 mV; Tape Monitor, 200 mV. **TUNER CIRCUIT.** FM Section. Sensitivity: 2.0 μ V for 20 dB quieting; 3.0 μ V IHF. Harmonic Dist.: .8%. Selectivity: 45 dB. Separation: 35 dB at 1000 Hz; 40 dB at 400 Hz. Signal-to-Noise: 60 dB @ 100% modulation. Capture Ratio: 2.7 dB. IF Stages: 3 dual-tuned. AM Section. Sensitivity: 10 μ V. **GENERAL CONTROLS:** Power On/Off, Ganged Bass and Treble, Clutch-type Volume, Selector (AM, FM Mono, FM Auto, Phono, Aux.), Speaker On/Off, Tape Monitor, Loudness, AFC, Mono/Stereo, Tuning. Semiconductors: 59. Size: 5x16x12 $\frac{1}{2}$ ".

CHECK THESE DELUXE QUALITY FEATURES



"Short-Proof"
Plug-in Speaker,
Connectors are
Polarized, Have
Neoprene Cover



Automatic All-
Electronic
Schmidt FM-
Stereo Switch-
ing Circuit



5-Transistor Circuit
Protects Output
Transistors Against
Damage Caused
by Accidental
Shorts or Opens

See Pages 8 and 9 for Hi-Fi Manager's Selected 355 Stereo Ensembles

ALLIED 7



ALLIED MATCHED STEREO HI-FI ENSEMBLES

Specially Selected by Our Hi-Fi Manager
Our Hi-Fi Department Manager has selected a wide variety of music ensembles to fit every taste, every budget. Ensembles with the best matching acoustic qualities—at gigantic savings.

Easy Selection. Stereo Phono, and stereo FM-AM Phono ensembles for every need and budget.

Free System Extras. Every system is ready-to-play with all cables and plugs, hi-fi booklet.

Phono Cartridge. The precision phono cartridge is installed for you adjusted by Allied Radio.

Want to Select Your Own System?
Write to our Audio Division for a Special System Price.

Perfectly Matched Components.
You are assured that your components are acoustically matched.

Allied Stereo Ensembles. Many ensembles feature our new Allied receivers and Allied-Knight amps.



Save \$84.30

Separately,
\$384.25

\$299.95

With Metal Case
\$15 monthly

Shown in walnut case

uperb selection of components for exceptional stereo-FM, phono, FM, M. Allied 355 Deluxe 45-Watt Solid-State Stereo FM-AM Receiver. Metal case. Order walnut case above. Garrard SL65 Full-Features 4-Speed Automatic Turntable, Base. Empire 888E Elliptical Stereo Cartridge. .0009" x .0004" diamond stylus. Two Knight KN-3030AK 3-Way 12" Speaker System Kits. 14 B 0287 DSZ. Shpg. wt., 102 lbs. \$15 Monthly..... 299.95



Save \$110.20

Separately,
\$449.70

\$339.50

With Metal Case
\$16 monthly

Shown in walnut case

oice components for the discriminating listener. Allied 355 Deluxe 45-Watt Solid-State Stereo FM-AM Receiver, metal case, for superb stereo M plus AM. Order walnut case right. Allied 919 4-Speed Automatic Turntable, Shure M44E Elliptical Stereo Cartridge, Base. Two Knight KN-2300C Way Acoustic-Suspension Speaker Systems. 12" woofer, compression midrange, tweeter. Assembled, finished. Cables, booklet. 14 B 0290 DSZ. Shpg. wt., 139 lbs. \$16 Monthly..... 339.50

ALLIED

For Complete Specifications on Allied 355 Receiver See Page 7

New Allied 355 45-Watt Solid-State Stereo Hi-Fi Ensembles

A Save \$74.75 on Value-Priced Stereo FM-AM-Phono Ensemble

Separately, \$304.70 **\$229.95** \$12 With monthly Metal Case

Sensational-value package offers quality components at substantial saving! You'll be amazed at the purity of tone and true-to-life performance. Allied 355 45-Watt Solid-State Stereo-FM, FM and AM Receiver develops 45 watts of power for full-dimensional stereo realism. Enjoy static-free FM and crisp, clear AM. Full array of controls, inputs, outputs, tape recorder facilities, headphone jack. Metal case. Order walnut case, below.

New Allied 919 Deluxe 4-Speed Automatic Turntable. Cuing, pause, adjustable anti-skate controls, low-mass pickup arm, repeat play or automatic shutoff. 4-pole motor, 11" platter. Base.

Pickering V15/ACE-3 Elliptical-Diamond Stereo Cartridge. Brush keeps records clean automatically. .0009" x .0004" diamond stylus. 20-20,000 Hz response.

Two Knight KN-3002 8" 2-Way Shelf Speaker Systems. 8" woofer, 3 1/2" direct-radiator VHF tweeter, 50-15,000 Hz. Cables, Hi-Fi Booklet. Shpg. wt., 74 lbs. 14 B 0289 DSZ. \$12 Monthly..... 229.95 14 B 5003 X. Walnut Case. 6 lbs..... 19.95

B Save \$79.75 on Allied Stereo FM-AM-Phono Ensemble

Separately, \$344.25 **\$264.50** \$14 With monthly Metal Case

Outstanding selection of quality components assures true-to-life realism of stereo-FM and phono plus crystal-clear AM. Allied 355 45-Watt Solid-State Stereo-FM, FM and AM Receiver gives you total command over every program source, plus 45 watts of power for full-dimensional sound. Has tape monitoring facilities. With metal case. Order oiled walnut case above.

New Garrard SL55 4-Speed Automatic and Manual Turntable. Features Synchro-Lab constant-speed motor for exact speeds. Has cuing lever to raise or lower pickup arm without touching it. Built-in stylus pressure adjustment. Automatic intermix. 2 spindles and base.

Empire 888E Elliptical Stereo Cartridge. 15" .0009" x .0004" diamond stylus. Response of 10-30,000 Hz.

Two Knight KN-3005 3-Way 10" Shelf Speaker Systems. Heavy-duty 10" woofer, 6" midrange, acoustically isolated 3 1/2" tweeter for brilliant wide-range reproduction. Complete with cables and hi-fi booklet. Shpg. wt., 85 lbs. 14 B 0288 DSZ. \$14 Monthly..... 264.50



A

Save

\$74.75

\$229⁹⁵

With
Metal
Case

\$12 monthly

Receivers shown in walnut cases

B

Save

\$79.75

\$264⁵⁰

With
Metal
Case

\$14 monthly

Component Stereo High-Fidelity..

IMPORTANT FACTS YOU SHOULD KNOW

WHY PEOPLE WHO REALLY KNOW MUSIC BUY COMPONENT STEREO HI-FI SYSTEMS

We have been asked many times to explain what makes component Hi-Fi so desirable and popular. If you, are familiar with components, you won't need this explanation. If not, here are the questions and answers that tell you how to have better music and sound for your money.

WHAT IS COMPONENT HI-FI?

An ordinary radio-phonograph is made up of a number of units, wired together in a cabinet. There is an amplifier, tuner, record changer and a speaker or speakers. Together, they make music. In a component system, you use separate high-quality units and place them wherever you want—on shelves, table, room divider, wall cabinets, book cases—anywhere that's convenient. Together, they make far better music.

WHY BUY COMPONENT HI-FI?

The answer is very simple. It sounds much better; it costs less; it is easier to use; you buy only what you need now and add to it at any time.

WHY DOES IT SOUND BETTER?

Because the individual units for a component system are made to give you the best sound reproduction possible, not to make up a furniture piece. The whole idea of real Hi-Fi is to reproduce music—clear, sharp, brilliant, life-like—as close as possible to the original performance. This takes high design skills, close attention to precision manufacturing, superior materials. For this reason, the makers of real component Hi-Fi equipment are specialists. They spend their entire time designing and making better components to give you faithful reproductions of live and recorded music. This is not and cannot be, a mass production job. Every component is made to the strictest standards, just as top-quality musical instruments are produced. *You can hear the difference, easily.*

HOW CAN IT SOUND BETTER AND COST LESS?

Briefly, because you don't pay for elaborate furniture. Each component is handsome enough to take its place in any home or apartment without additional expensive cabinetry. Part of what you save goes into superior equipment, and gives you exactly what you started out to buy—beautiful music. Of course, you can install some or all of your components in furniture type cabinets, if you wish. Even then, although the cost will naturally be more, you will still get far finer performance and much more pleasure from your investment.



EASIER TO USE?

Yes, in many ways. Most important, you put components where they sound best and are most convenient to use. For example, the receiver and record turntable may go at one end of your room, perhaps near a favorite chair. The speakers can be placed on any wall, wherever they give you best sound. This is very important in obtaining true stereo effect. Most packaged units cannot do this because speaker placement is limited by the size of the cabinet. In limited space, you can have a complete music system without using any floor space at all. If you wish, you can put extension speakers in any room, even outside. There is no limit to the flexibility of component Hi-Fi.

WHAT ABOUT PUTTING IT TOGETHER?

You don't put it together—just plug together and play. If you have a receiver, record changer and two speakers, just put the receiver where you want it, with the record turntable nearby. Place the speakers on shelves, on the floor, anywhere. Plug the record turntable into the receiver—there's a cable with plug-in connector. Now connect the speakers to the receiver—here you may have to tighten four screws. You are now ready to plug the receiver into an outlet and play music. That's all there is to it.

BUY ONLY WHAT YOU NEED

You buy only what you need. You can get an amplifier, changer and speakers now. Later, add a tuner and tape deck whenever you like. Of course, it's easy to replace individual units at any time, or add additional components without buying a whole new system.

HOW DO I SELECT A SYSTEM?

Our Audio experts here at Allied have made up a number of quality systems based on their experience. These selected systems are on pages 8, 9, 13, 15-18, 23, 28, 29, 31-33, 38, 47, 48, 440-451. Components of like quality and capabilities have been matched so that the complete system gives you maximum quality at the price.

Our system prices give you substantial savings from the cost of components purchased separately. They are all excellent buys, sure to give you the most for your money. However, if you prefer to make up your own selection, just write to our Audio Division (you'll find a handy request card further on in this Catalog). Tell us what you want to use, and we will immediately send you our special price quotation on a system of your own selection. If you have any questions on equipment, or on how to use it, we'll be happy to give you assistance.

WHAT ARE THE COMPONENTS?



Tape Deck—With this component, you can record broadcasts off the air, copy records, make recordings of home entertainment, etc., and play them back through your system.



Record Turntable—Automatic or manual models. Automatic models play a stack of records.



Speakers—Available in a great variety of sizes, shapes and prices. Important: Get the best speakers your budget will permit.



Receiver—A combination amplifier and radio tuner. Some people prefer the combination, others prefer separate units.



Amplifier—This is the component that supplies the amplified sound power to the speakers.



Tuner—Receives AM or FM radio broadcast and plays them through the amplifier to the speakers.



... Your Best Buy in Music

YOU GAIN EVERY ADVANTAGE IN BUYING YOUR HI-FI STEREO FROM ALLIED

Here's Why People Everywhere Buy Component Hi-Fi by Mail from Allied

SATISFACTION GUARANTEED

You must be satisfied with any music system or component you buy from Allied. *If for any reason you are not satisfied with your purchase, return it to us and we will exchange it or return your money, less transportation charges. Merchandise returned must not have been abused or, in the case of kits, incompletely assembled.* You can buy with complete confidence in this unique, money-back guarantee—exclusive in the electronics industry.

Many Products Not Available Anywhere Else

Each year Allied fills more than a million orders by mail. Only the complete facilities of the world's largest electronics supply house can satisfy all the needs of hi-fi enthusiasts. As the world's largest supplier of electronics, Allied can afford to stock thousands of items not available elsewhere. In addition, many products are specially-designed and built to our specifications.

First with the Latest For 47 Years

We have always been the first to offer the latest developments in electronics, as you will see when

you go through the pages of this catalog. For 47 years, Allied has grown with the pioneers in high-fidelity sound—unbeatable selections from every famous brand are included here.

Count Your Savings at Allied

Whatever you choose—a single component, an Allied expert-selected system, or a system of your own selection—you always get the lowest prices at Allied. Check Allied prices and compare. Look for the special values—available only when you shop in the Allied Catalog.

We Quality-Test What We Sell

Only Allied has a continuous program of quality-testing to assure you that everything you buy meets the highest standards. Our Quality Control Dept. subjects every item to the most rigid and exacting tests. Only after components measure up to our high standards are they offered to you.

Free Allied System Extras

Every Allied stereo hi-fi system includes important extras. All necessary audio cables and connectors are included, plus two 15-ft. speaker

cables. Even the phono cartridge is installed. You get a copy of the Allied Music System Instruction Booklet to help you get the best performance and fullest enjoyment from your stereo system. Individual manufacturer's instruction booklets are also included.

Expert Personal Service

If you have any questions, drop us a card. Your inquiries and orders are intelligently handled by people who take a genuine interest in your needs. You can always depend on Allied for friendly service and expert help.

Enjoy "Easy-Chair" Shopping

Shopping's easy at Allied. More accurate, too! You always know *exactly* what you get. And *what a choice!* A selection of merchandise so vast that no store could ever assemble and stock it all.

No Money Down—Up To Two Years to Pay

You don't need cash at Allied. Make add-on purchases—even though you are already paying for something else. It's easy to be a credit customer at Allied. See Page 407 for complete information.



STEREO RECEIVER



Shown in walnut case

NEW! Allied 365 65-Watt Stereo FM-AM Receiver

LATEST ALL-SOLID-STATE CIRCUIT WITH 65 SEMICONDUCTORS

\$229⁹⁵
With
Metal Case

\$12 monthly

- 130 Watts Peak Power
- Automatic Schmidt Multiplex Switching Circuit
- Transformerless Output
- Complete Tape Recording and Monitoring Facilities
- 2 μ V IHF Sensitivity
- Plug-In Speaker Connectors—No Short Circuits
- 5-Transistor Circuit Protects Output Transistors
- Speaker Main/Remote Switch
- Individual Bass and Treble Controls for Each Channel
- Precision Tuning Meter

This sensational solid-state stereo FM-AM receiver sets a new standard in value. Superior multiplex circuit for thrilling stereo FM reception, AM reception, a full-feature preamp, 130 watts of peak hi-fi power, all at an unbeatable low price. The transformerless output circuit assures you of wide power bandwidth for full bass response right down to the lowest frequencies. FM circuit boasts Schmidt all-electronic automatic stereo-mono switching. Preamp has facilities for all sources including tape monitor, and input for tape transport equalized at either $7\frac{1}{2}$ or $3\frac{3}{4}$ ips speeds.

Has meter for always-perfect FM-AM tuning, and stereo FM indicator light. Silken-smooth flywheel tuning. Speaker switch selects main speakers, remote speakers, both, or mute. Stereo headphone jack. Positive-action rocker switcher for loudness, AFC, and high-frequency filter. Five-transistor circuit protects output transistors from accidental short-circuits, also has short-proof plug-in speaker connectors with barrier-type construction and neoprene covers.

Controls include clutch-type bass and treble, balance, volume, program selector (AM, FM mono, FM auto, phono, tape head, aux), mode, tape monitor. With metal case. Optional wood case below. 5x16x12". For 110-120 V 50-60 Hz AC. From Japan. Shpg. wt., 28 lbs.

14 B 5072 U. \$12 Monthly. **229.95**
14 B 5003 X. Oiled Walnut Wood Case. Shpg. wt., 6 lbs. **19.95**

SPECIFICATIONS

AMPLIFIER CIRCUIT. Power Output: 65 watts IHF, 25 watts rms per channel at 8 ohms. Response: ± 1 dB, 20-50,000 Hz. Power Bandwidth: 15-30,000 Hz. Harm. Dist.: .25% at 1 watt, less than 1% at rated output. IM Dist.: 1%. Hum and Noise Mag. Phono, -60 dB; Aux., -75 dB. Outputs: 4-16 ohms, headphones, recorder. Input Sensitivity: Mag. Phono, 3.0 mV; Aux., 250 mV; Tape Monitor, 250 mV. Tape Head, 1.5 mV. **TUNER CIRCUIT.** FM: IHF Sensitivity: 2 μ V. Selectivity: 45 dB Separation: 35 dB at 1000 Hz; 40 dB at 400 Hz. Capture Ratio: 2.5 dB. IF Stages: 4. Signal-to-Noise Ratio: 65 dB. AM: Sensitivity: 8 μ V.

65-Watt Stereo FM-AM-Phono Ensembles Featuring New Allied 365 All-Solid-State Receiver



A

Save \$74.30
\$309⁹⁵ With Metal Case
\$15 monthly

B

Save \$109.30
\$349⁹⁵ With Metal Case
\$17 monthly

Receivers shown in walnut cases

A 65-Watt Stereo FM-AM Phono System

Separately, \$384.25. Save \$74.30. Features latest components, specially selected by our Hi-Fi Manager to deliver superb, lifelike stereo sound.

Allied 365 65-Watt Solid-State Stereo FM-AM Receiver. Receives stereo FM, mono FM, and AM. Features Schmidt automatic FM stereo switching, non-shorting plug-in speaker connectors, tape monitor. With metal case; order oiled walnut wood case on facing page.

New Garrard SL 55 4-Speed Automatic Turntable and Base. Has perfect-speed Synchro-Lab motor. Picking V15/ACE-3 Cartridge with elliptical diamond stylus.

Two Knight KN-3005 3-Way Oiled Walnut Speaker Systems. Each has a 10" woofer, 6" midrange, and 3½" tweeter for full orchestral sound. Complete with cables, hi-fi booklet. Shpg. wt., 86 lbs. Express.

14 B 0277 D5Z. \$16 Monthly.....**309.95**

B Deluxe 65-Watt FM-AM Phono System

Separately, \$459.25. Save \$109.30 from separate component prices. Superbly matched components, selected by our Hi-Fi Manager to give you magnificent sound.

New Allied 365 65-Watt Solid-State Stereo FM-AM Receiver. Finest stereo FM, mono FM, plus wideband conventional AM. Schmidt automatic FM stereo switching, plug-in speaker connectors, tapping inputs and outputs. With metal case; oiled walnut wood case on facing page.

New Garrard SL 65 4-Speed Automatic Turntable and Base. Features perfect-speed Synchro-Lab motor. Shure M44E Cartridge with elliptical diamond stylus.

Two Knight KN-3030A Assembled 3-Way Speaker Systems. Each has a 12" woofer, 6" midrange, and 3½" tweeter for dynamic realism. Handsome oiled walnut finish. With all cables, hi-fi booklet. Shpg. wt., 103 lbs. Express.

14 B 0276 D5Z. \$17 Monthly.....**349.95**

Ensembles Are Ready to Play—Complete with Cables, Plugs, Hi-Fi Booklet

ALLIED 13

ALLIED

New Allied 399 Solid-State 122-Watt Stereo Receiver

BUILT BETTER THAN IT HAS TO BE—
FOR BETTER PERFORMANCE, BETTER QUALITY



Shown in wood case

With Metal Case **\$299⁹⁵** \$15 monthly

Model 399 Solid-State Stereo FM-AM Receiver

- Transformerless Audio Circuit for Extremely Wide Power Bandwidth
- Voltage-Regulated Power Supply • Interstation Muting Circuit
- Transistorized Protection Circuits for Both Audio Channels
- Complete Taping Facilities • 82-Semiconductor Circuit

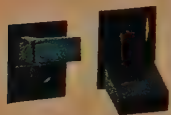
New Plug-in Speaker Connectors



Neoprene covered plug-in speaker connectors prevent accidental shorting. Polarized.



New "Flip" Switches



Easy-to-operate throw-lever controls assure positive, finger-tip switching.

4 Dual-Tuned IF's



Provide sharp selectivity, high signal-to-noise ratio, superior reception overall.

The all-new Allied 399 gives you striking styling, tremendous power, and unmatched value! Eighty-two semiconductors pull-in real-as-life stereo FM, monaural FM, wideband AM, and develop 244 watts of peak stereo power. Full-feature stereo preamp has all the controls and inputs you need for plugging in magnetic or ceramic phono, tape deck, etc.

FM circuit has four dual-tuned IF stages for sharp selectivity and rejection of unwanted signals. Interstation muting banishes between-station noise while dialing. Two limiters screen out static. Boasts Schmidt all-electronic, automatic stereo-mono FM switching. Outstanding AM reception too. Nuvisitors in front end, plus multi-ganged tuning capacitor with independent oscillator, for super-sensitivity and stability.

Controls include clutch-type bass and treble for each channel, unique flip-type switches for Muting, AFC, Loudness, Speakers On/Off, Hi and Low Filter. Separate 7½ and 3¼ ips equalization switch for use with tape transport. Tape Monitor switch is combined with Stereo/Individual-Channel Selector for extra versatility. Stereo headphone jack. Neoprene-covered plug-in speaker connectors prevent accidental short-circuits. Transformerless audio circuits widen frequency response and cut distortion. With metal case. Wood case below. 5x16x12". From Japan.

14 B 5070 U. Shpg. wt., 30 lbs. \$16 Monthly. **299.95**
14 B 5003 X. Oiled Walnut Wood Case. Shpg. wt., 6 lbs. **19.95**

SPECIFICATIONS

AMPLIFIER CIRCUIT. Power Output: 244 watts peak, 122 watts total IHF, 43 watts per channel continuous sine wave at 4 ohms. Harmonic Distortion: 0.5%; 0.125% @ 1 watt. IM Distortion: 0.7%. Power Bandwidth: 15-40,000 Hz. Hum and Noise: high-level inputs, -80 dB; low-level, -65 dB. Response: ±1 dB, 18-60,000 Hz. Inputs: mag., ceramic phono; tape head; tape monitor; aux. Outputs: speakers (4-16 ohms), recorder, headphones.

TUNER CIRCUIT. FM. Tuning Range: 88-108 MHz. IHF Sensitivity: less than 1.5 µV. Harmonic Distortion: .5%. Signal to Noise Ratio: 65 dB. Selectivity: 45 dB. Separation: 35 dB @ 1000 Hz; 40 dB @ 400 Hz. Capture Ratio: 2.2. IF Stages: 4, dual tuned. FM Antenna: external dipole. AM. Tuning Range: 550-1600 kHz. Sensitivity: 5µV. Antenna: loopstick. **OVERALL CIRCUIT:** 82 semiconductors, nuvistor tuner front end. Power Requirement: 110-120 volts, 50-60 Hz AC.

Allied's Own Solid-State Stereo Components Save You Money



Complete 122-Watt Stereo Ensembles Save Up to \$175.75

Stereo FM-AM-Phono System

Save **\$374⁵⁰** \$18
\$149.75 monthly

Components Purchased Separately, \$524.25. An exciting value, specially selected by our Hi-Fi Manager to offer you a superb stereo hi-fi component system at a modest price. Available only from Allied.

Features the new Allied 399 Solid-State 122-Watt Stereo FM-AM Receiver for total control of all audio sources. Thrilling stereo reception on FM, as well as sensitive monaural FM and long-distance AM. With metal case; oiled walnut case on facing page.

Deluxe New Garrard SL 65 Automatic Turntable has Synchro-Lab motor, full-size turntable and deluxe Garrard turntable base. Feather-light Picking V-15/ACE-3 Cartridge boasts elliptical diamond stylus. Two Knight KN-3030A assembled 3-Way Walnut Speaker Systems each have 12" woofer, 6" midrange, and 3 1/2" tweeter. Complete with cables, hi-fi instruction booklet. Shpg. wt., 105 lbs.

14 B 0292 DSZ. \$18 Monthly. 374.50

Deluxe FM-AM-Phono System

Save **\$489⁵⁰** \$21
\$175.75 monthly

Components Purchased Separately, \$665.25. Specially selected by our Hi-Fi Manager to satisfy the requirements of the demanding audiophile and music lover. Delivers brilliant performance at big savings.

The new Allied 399 Solid-State 122-Watt Stereo FM-AM Receiver is the heart of this powerful system. Receives stereo FM, monaural FM, plus wideband AM for popular music, news and sports reports. With metal case; oiled walnut case on facing page.

New super-deluxe Garrard SL 95 Automatic Turntable with precision Synchro-Lab motor. Has 12" aluminum platter, counter-balanced wooden arm, base. Empire 888TE Stereo Cartridge with super-elliptical diamond stylus.

2 Knight KN-2300C assembled 3-Way Walnut Speaker Systems. 12" woofer, horn-type midrange, and compression tweeter. With all cables, hi-fi instruction booklet. Wt., 147 lbs.

14 B 0293 DSZ. \$21 Monthly. 489.50

Ensembles Are Ready to Play—Complete with Cables, Hi-Fi Booklet



Shown in wood case



Shown in wood case

Allied-Knight KNI-333 32-Watt Stereo FM-AM

OUR LOWEST PRICE RECEIVER, FAMOUS FOR ITS FINE PERFORMANCE..HAS

DELUXE FEATURES



Has 6 Positions for Easy Selection



Adjusts Channels for Perfect Balance



Tape Monitoring Facilities

With Metal Case

\$149⁹⁵

\$8 monthly

- 64 Watts of Peak Stereo Power, 32 Watts IHF
- Full Tape Recording and Monitoring Facilities
- Stereo Headphone Jack with Speaker-Off Switch
- Completely Factory Assembled and Ready to Use
- Deluxe-Quality Construction—No Short Cuts

Here's an engineering masterpiece, brought to you by Allied, whose years of experience and know-how make it possible for you to enjoy this outstanding stereo receiver at an unbeatable price. Conservatively rated at 64 watts peak power with negligible distortion and noise. You get pure full-fidelity sound in the truest sense of the word.

FM stereo, plus monaural FM and AM are received with astonishing depth and tonal purity. Complete array of controls permits individually tailored sound from your choice of program material. Tuner has separate sections for FM multiplex reception, monaural FM and standard AM broadcast. Receiver is factory assembled, thoroughly tested and ready for use.

Stereo indicator light flashes on when FM stations transmit stereo. Magic-Eye indicator pinpoints strongest signal for best tuning. AFC locks-in FM signal—never any drift. Controls include: Power On-Off; separate Bass and Treble; Loudness for full-range sound even at low listening levels; dual concentric Volume-Balance. Full tape recording and monitoring facilities, too. Impressive extruded front panel in lustrous Sierra Gold. Size, $5\frac{1}{2} \times 15\frac{1}{2} \times 13\frac{1}{2}$ ". Built-in AM antenna, twin-lead FM dipole antenna. With rugged, handsomely-styled metal case included. Optional walnut case below. For 110-127 V, 60 Hz AC. From Japan. Shpg. wt., 28 lbs.

14 B 5073 U. \$8 Monthly..... **149.95**
14 B 5008 X. Oiled Walnut Wood Case. Shpg. wt., 5 lbs..... **14.95**

SPECIFICATIONS

FM CIRCUIT. Sensitivity: 2.5 μ V for 20 dB quieting. Usable IHF Sensitivity: 3.0 μ V. Image Rejection: better than 30 dB. **FM MULTIPLEX CIRCUIT.** Time-switching type. Channel Separation: 30 dB. **AM CIRCUIT.** Image Rejection: better than 40 dB. **AMPLIFIER CIRCUIT.** Power Output: 64 watts peak; 32 watts IHF, 16 watts per channel. 12 watts per channel (rms) continuous sine wave. Frequency Response: ± 2 dB, 20-30,000 Hz. Harmonic Distortion: less than 1% at rated output. Hum/Noise: -55 dB, Mag. Phono; -70 dB, Aux. Inputs: Magnetic Phono; Ceramic or Low-Level Auxiliary; High-Level Aux; Recorder. Outputs: 8, 16 ohms; Stereo Headphone; Recorder; Tape-Source Monitoring. Overall: 13 tubes; tuning eye; 2 silicon rectifiers; 8 diodes. 115 W max. power consumption.

A Top-Value Stereo FM-AM-Phono System

Separately, \$274.70 Excellent system specially selected by our Hi-Fi Manager for fine performance. Allied-Knight KNI-333 32-Watt Stereo FM-AM Receiver. Develops 64 watts of peak power. You also enjoy sensitive stereo FM reception plus regular FM and AM programs. With metal case. Optional walnut case, below. Allied's New 919 4-Speed Automatic Turntable with Base features cueing; adjustable anti-skate; muting switch. With Picking V15/ACE-3 Stereo Elliptical Diamond-Needle Cartridge and base. Two Knight KN-3002 2-Way 8" Shelf Speaker Systems with 8" woofer, $3\frac{1}{2}$ " tweeter, and crossover. Wide-range reproduction. With all connecting plugs and cables, high-fidelity booklet.

14 B 0285 D5Z. Shpg. wt., 75 lbs. \$10 Monthly. **199.95**
14 B 5008 X. Oiled Walnut Case. Shpg. wt., 5 lbs..... **14.95**

B Special Stereo FM-AM-Phono System

Separately, \$314.25. Superb component system selected by our Hi-Fi Managers. Allied-Knight KNI-333 32-Watt Stereo FM-AM Receiver for thrilling stereo FM and monaural FM and AM. Has full array of inputs, outputs, controls, tape recording facilities. Headphone jack. With metal case. Optional walnut case, above. New Garrard SL55 4-Speed Synchro-Lab Automatic Turntable. Features synchronous constant-speed motor for silent operation. With Empire 888E Stereo Elliptical Diamond-Needle Cartridge, and base. Two KN-3005 3-Way 10" Shelf Speaker System. Heavy-duty 10" woofer, 6" mid-range speaker, and $3\frac{1}{2}$ " tweeter acoustically isolated for freedom from distortion. With plugs, cables and high-fidelity booklet. Shpg. wt., 86 lbs.

14 B 0284 D5Z. \$12 Monthly..... **237.50**

Save \$100.25

\$279⁰⁰ \$14 monthly

With Metal Case



Shown in walnut wood case

Deluxe Stereo FM-AM-Phono Ensemble

Separately, \$379.25. Specially selected by our Hi-Fi Manager for sound and value. Allied-Knight KNI-333 32-Watt Stereo FM-AM Receiver develops 64 watts of peak power for full-dimensional stereo realism. With metal case. (Optional walnut case, above right.) Garrard's New SL65 4-Speed Synchro-Lab Automatic Turntable with base and Shure M44E Stereo Elliptical Cartridge with diamond needle. Two Assembled and Finished Knight KN-3030A 3-Way 12" Speaker Systems, 12" woofer, 6" midrange, $3\frac{1}{2}$ " tweeter.

14 B 0286 D5Z. Shpg. wt., 103 lbs. \$14 Monthly..... **279.00**

Receiver . . Ideal for Low-Cost Systems

DELUXE FEATURES FOUND IN THE BEST RECEIVERS

*Beautifully Styled, Flawlessly
Engineered and Assembled . . .
Ready to Grace Your Home with
its Up-to-Date Design, Brilliant Sound*



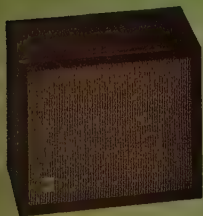
Shown in walnut veneer case

Hi-Fi Manager's Money-Saving Ensembles

Top-Value 32-Watt Ensemble



Shown in walnut case



**Special 32-Watt
Ensemble**

Save \$74.75

\$199⁹⁵

With Metal Case



Save \$76.75

\$237⁵⁰

With Metal Case

Enjoy Stereo Now . . . Pay Later with Your Allied Credit Fund Account

ALLIED 17

Special Value—Famous E-V Receiver

**STEREO
RECEIVER**

LOADED WITH IMPORTANT HI-FI FEATURES



Zero-Center Meter
for Perfect Tuning



AFC For Lock-In
Tuning, Switches
Off if Desired



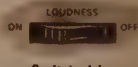
Plenty of Power to
Handle Percussive
Passages with Ease



Sliding Dial
Station Markers



Outstanding
Stereo Separation



Switchable
Loudness
Contour



Electro-Voice 1177 Solid-State 65-Watt Stereo FM Receiver

Deluxe Electro-Voice receiver at a low Allied special-purchase price. Combines advanced solid-state circuit, exquisite styling and extremely compact design with 65-watt power to reproduce music with crystal clarity and full dynamic range. Has zero-center meter for perfect FM tuning, and stereo indicator light. Sliding dial-markers let you "mark" dial for finding your favorite stations instantly. Moving "Spot-of-Light" dial pointer. Positive-action rocker switches for mode, tape monitor, speaker muting, loudness, and AFC. Front-panel stereo headphone jack. Color-coded indicator lights show at a glance which program source is selected. Has inputs for magnetic phono, auxiliary, and high-level tape. **Power:** 65 watts, IHF; 100 watts peak; 36 watts continuous sine wave. **Frequency Response:** ± 1.5 dB, 20-20,000 Hz. **FM Sensitivity:** 2 μ V IHF for 20 dB quieting. **Capture Ratio:** 2.5 dB. **Channel Separation:** over 40 dB at 1 kHz. **Harmonic Distortion:** less than 1% at rated output. **Outputs:** 4 to 16 ohms; stereo headphones; tape recording. With metal cover, walnut-finish end-panels. 3 $\frac{3}{8}$ x15 $\frac{1}{4}$ x10 $\frac{1}{4}$ ". For 110-120 volts, 60 Hz AC. Shpg. wt., 17 lbs.

13 B 2756 X. \$10 Monthly..... 188.00

Save \$50.00

\$188⁰⁰

\$10 monthly

Was \$238.00

Money-Saving Stereo Systems Featuring E-V 1177—Save Up to \$132.80



65-Watt Stereo FM-Phono System

\$269²⁰

Save \$103.10

\$14 monthly

Components Purchased Separately, \$372.30

Enjoy special-purchase savings plus system savings. Delivers thrilling sound at remarkably low cost. Includes E-V 1177 65-Watt Stereo Receiver, the new Garrard Synchro-Lab SL55 4-Speed Automatic Turntable with base, Pickering V-15/ACE-3 Elliptical Cartridge with Diamond Stylus, two Knight KN-3002 2-Way Walnut Shelf Speaker Systems with 8" woofers, 3 $\frac{1}{2}$ " tweeters. With cables, hi-fi booklet.

13 B 0169 D5U. Wt., 66 lbs. \$14 Monthly..... 269.20



Deluxe 65-Watt Stereo FM-Phono System

\$339⁵⁰

Save \$132.80

\$16 monthly

Components Purchased Separately, \$472.30

Great savings on this system that offers dazzling stereo sound. Includes E-V 1177 65-Watt Stereo FM Receiver, the new Garrard Synchro-Lab SL65 4-Speed Automatic Turntable with base and Empire 888E Elliptical Magnetic Cartridge, two Knight-3030A 3-Way Walnut Speaker Systems each with 12" woofer, 6" midrange, 3 $\frac{1}{2}$ " tweeter. With cables, booklet. 89 lbs.

13 B 0159 D5U. \$16 Monthly..... 339.50

STEREO RECEIVERS



- Field-Effect-Transistor Front-End Assures Superb Reception
- Latest Design Includes Integrated Circuit IF Amplifier
- Automatic Stereo-Mono Switching plus "Stereo Beacon"
- Illuminated D'Arsonval Meter for Always-Perfect Tuning
- Tape Monitoring Facilities • Transistorized Overload Protection

\$254⁹⁵ less case
\$13 monthly

- Field-Effect Front End
- Outstanding Frequency Response
- Impressive Wide-Range AM
- Tape Monitor Facilities

\$280⁰⁸
less case
\$15 monthly

ALLIED 19

Fisher High-Powered Solid-State

STEREO
RECEIVERS



Model 700T
120-Watt
Stereo FM
Receiver

\$424⁵⁸
less
case

\$19 monthly



NEW!

Model 550T
90-Watt
Stereo FM-AM
Receiver

\$382⁴⁶
less
case

\$18 monthly



Model 500T
90-Watt
Stereo FM
Receiver

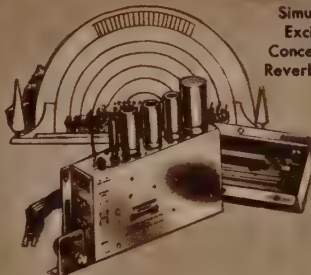
\$339⁵⁸
less
case

\$16 monthly

Receivers for Finest Stereo Sound

STEREO RECEIVERS

Simulates
Exciting
Concert-Hall
Reverberation



Fisher K-10 Reverberation Unit

\$71.55

- Adds New "Depth" to Hi-Fi with Music-Hall Acoustics
- Simple Plug-In Connections

\$5 monthly

Adds a thrilling new dimension to hi-fi systems, stereo or mono. By delaying part of the audio signal for 33 milliseconds, the K-10 duplicates the "sound" of a concert hall so perfectly that you'll think you're hearing a live performance. Plugs into any Fisher receiver including earlier models such as 400, 500, and 800. Also for systems having tape monitoring facilities or separate preamps. For 105-120 VAC, 10 lbs.

13 B 2097 X. \$5 Monthly..... **71.55**

NEW! Fisher Receiver-Turntable . . Just Add Speakers for Complete System

NEW!



Model 110 Stereo FM-AM Receiver-Turntable

\$349.95

- 35-Watt Stereo FM Receiver
- Integrated-Circuit IF Stages
- 4-Speed Automatic Turntable

\$17 monthly

A full-feature solid-state Fisher stereo FM-AM receiver, plus a custom 4-speed automatic turntable, in a convenient, space-saving package. Integrated-circuit IF stages for outstanding stereo. Has speaker selector, rumble filter, wide array of controls and inputs. Dynamically balanced turntable has cuing device, anti-skate arm, stylus pressure dial, Pickering magnetic cartridge. ± 2 dB, 25-20,000 Hz. 4-16 ohms. $7\frac{1}{2} \times 17 \times 15\frac{1}{8}$ ". 110-120 VAC. Shpg. wt. 25 $\frac{1}{2}$ lbs.

13 B 2656 U. \$17 Monthly..... **349.95**

13 B 2661 U. Model 105. Above, but without AM. \$16 Monthly. 24 lbs..... **329.95**

13 B 2659 X. Dust Cover. Wt., 3 lbs..... **14.95**

A 700T 120-Watt Stereo FM Receiver—Fisher's Finest

- Advanced Circuit Includes 45 Transistors and 40 Diodes • "Stereo Beacon"
- Super Synchrode™ Field-Effect Front End for Amazing Sensitivity
- Between-Station Muting • Four IF Stages and Three Limiters
- Wideband Detector • Full Tape Recording and Monitoring Facilities

Offering the best of famous Fisher audio engineering, this super-powerful receiver reproduces stereo FM with the "total" sound you can expect from the finest equipment. Its extraordinarily sensitive M circuit features "Super Synchrode" Field-Effect-Transistor front end, four IF amplifiers, and three limiters to provide brilliant, static-free stereo sound even in weak signal areas. In addition, the 700T offers inputs and controls that give you complete audio mastery over every stereo and mono music source.

Outputs and inputs for recording, playback and monitoring of stereo tapes. Muting feature eliminates "hiss" between stations when dialing. Illuminated signal-strength meter makes perfect tuning easy. Fisher's "Stereo Beacon" flashes on when stereo is tuned-in, and automatically switches multiplex circuit to stereo mode.

Power Output: 120 watts IHF at 4 ohms; 50 watts per channel, sine wave. Frequency Response: ± 1 dB, 20-25,000 Hz. IHF Sensitivity: 1.8 μ V. Outputs: 4 to 16 ohms; stereo headphones; recording. Controls include: bass; treble; balance; loudness; hi and low filters; 4-position speaker switch. Size, $5\frac{1}{2} \times 16\frac{3}{4} \times 11\frac{1}{8}$ ". Order case below. For 105-120 volts, 50-60 Hz AC. Shpg. wt., 48 lbs.

13 B 2648 U. \$19 Monthly..... **424.58**

13 B 2633 X. Oiled Walnut Wood Case. Shpg. wt., 9 lbs..... **22.45**

B New Model 550T 90-Watt Stereo FM-AM Receiver

- Integrated-Circuit IF Amplifiers for Finest Stereo Reception
- Super-Sensitive Field-Effect-Transistor Front End • "Stereo Beacon"
- Tape Monitor Switch • 4-Position Speaker Selector Switch

Newest model in Fisher's famous 500 Series, this receiver not only brings you magnificent stereo FM reception, but outstanding AM as well. Its 90-watt stereo amplifier section has more than enough reserve power to reproduce thunderous orchestral passages without distortion. Full array of controls and inputs for magnetic phono, tape equipment, or any other audio source. All-new integrated-circuit IF amplifier assures superb stereo channel separation, optimum selectivity, and highest reliability. Illuminated signal-strength meter for perfectly tuning any station, FM or AM, in seconds.

Power Output: 90 watts, IHF at 4 ohms; 35 watts per channel, sine wave. Frequency Response: ± 1 dB, 25-20,000 Hz. Usable FM Sensitivity: 1.8 μ V. Harmonic Distortion: 0.8%. Hum and Noise: -80 dB. Stereo FM Channel Separation: over 35 dB. Outputs: 4 to 16 ohms; stereo headphones; tape recording. Controls include: loudness contour; muting; 4-position speaker selector; 5-position mode/tape monitor switch; low-frequency and high-frequency filters; treble; bass; balance. Has Transist-O-Gard feature to prevent overloading output circuit. $5\frac{1}{2} \times 16\frac{3}{4} \times 12\frac{3}{4}$ " deep. Order case below. For 105-120 volts, 50-60 Hz AC. Shpg. wt., 48 lbs.

13 B 2654 U. \$18 Monthly..... **382.46**

13 B 2633 X. Oiled Walnut Wood Case. Shpg. wt., 9 lbs..... **22.45**

C Famous Model 500T 90-Watt Stereo FM Receiver

- Built for Outstanding Stereo FM Performance in Any Signal Area
- Field-Effect Front End for Astonishing Sensitivity • "Stereo Beacon"
- Automatic Switching to Stereo • Full Recorder Facilities • Tuning Meter

This widely acclaimed receiver offers thrilling hi-fi reception of stereo FM, plus control facilities for every music source. Solid-state circuit pours out 90 watts of power to reproduce the full musical range of a symphony orchestra effortlessly. Super-sensitive FM circuit provides fine reception from stations that some receivers miss. Signal-strength meter for easy tuning, automatic stereo-mono switching, and "Stereo Beacon" that flashes on when stereocasts are tuned in. Full facilities for tape recorder or deck. Power: 90 watts at 4 ohms. Response: 25-20,000 Hz, ± 1 dB. Sensitivity: 1.8 μ V. Harmonic Distortion: under 0.8%. Outputs: 4 to 16 ohms; headphones; recording. $5\frac{1}{2} \times 16\frac{3}{4} \times 12\frac{3}{4}$ ". Order case below. For 105-120 V, 50-60 Hz AC. 40 lbs.

13 B 2079 U. \$16 Monthly..... **339.58**

13 B 2633 X. Oiled Walnut Wood Case. Shpg. wt., 9 lbs..... **22.45**

No Money Down with Allied's Credit Fund Plan

ALLIED 21

STEREO RECEIVERS

Scott Solid-State Stereo Receivers

H. H. SCOTT RECEIVERS WITH INTEGRATED CIRCUITS AND OTHER DELUXE FEATURES FOR SUPERB PERFORMANCE

The Scott Integrated Circuit assures improved hi-fi and greater-than-ever reliability. Used in the vital IF section, each of these circuits has the equivalent of five transistors

and two resistors sealed in a package the size of a transistor. Each receiver on these two pages boasts four integrated circuits for super-sensitivity and outstanding stereo separation.



(A)

90 WATTS
Model 384
90-Watt
Stereo FM-AM
Receiver
\$369⁹⁵
less
case
\$17 monthly



(B)

65 WATTS
Model 382B
65-Watt
Stereo FM-AM
Receiver
\$285⁰⁰
less
case
\$15 monthly



(C)

65 WATTS
Model 342B
65-Watt
Stereo FM
Receiver
\$255⁰⁰
less
case
\$13 monthly

Receivers shown in wood cases

Featuring Integrated Circuits

STEREO
RECEIVERS

H. H. SCOTT STEREO RECEIVERS

NEW!

A Model 384 90-Watt Stereo FM-AM Receiver

- Computer-Type Pushbutton Switches for Fingertip Control
- Front Panel Input Jacks for Microphone or Guitar
- Automatic Stereo FM Switching • Interstation Muting

Integrated circuits and other deluxe features make this one of the finest Scott receivers ever. Offers magnificent stereo FM and wideband AM. All-silicon circuit includes Integrated Circuit that provides 20-transistor IF performance and amazing sensitivity and stereo separation. Powerful transformerless 90-watt (4 ohms) output. Silver-plated Field Effect front end for good reception even under adverse conditions. AM circuit has Automatic Variable Bandwidth for extraordinary performance. Controls and inputs for every music source. Precision tuning meter, automatic stereo-mono FM switching, stereo FM indicator, subchannel filter, front-panel headphone output, mike/guitar input jacks, tape monitor. *Response:* ± 1 dB, 15-30,000 Hz. *Usable FM Sensitivity:* 1.9 μ V. *FM Separation:* 36 dB. *Outputs:* 4-16 ohms; headphones; recorder. $5\frac{1}{2} \times 17\frac{1}{4} \times 10\frac{3}{4}$ ". For 110-120 V, 50-60 Hz AC. Order case below. Shpg. wt., 25 lbs.

13 B 2710 U. Available Nov. 1, 1967. **369.95**
13 B 2733 X. Oiled Walnut Wood Case. Wt., 8 lbs. **26.95**

B Model 382B 65-Watt Stereo FM-AM Receiver

- Silicon Solid-State Circuit With Integrated Circuit IF
- Transformerless Output For Broad Power Bandwidth
- Inputs for Every Program Source • Precision Tuning Meter

Famed Scott engineering and deluxe extras, headed-up by new Integrated Circuit IF amplifier for superior sensitivity and separation. Receiver offers lifelike stereo FM; and AM is amazingly clear due to Scott's exclusive Automatic Variable Bandwidth. Full 65-watt (4 ohms) output from transformerless silicon output stage. Silver-plated Field-Effect-Transistor front end for high selectivity and freedom from strong-signal interference. Tuning meter, subchannel filter, front-panel stereo headphone jack, bass and treble controls for each channel, tape monitor. *Response:* ± 1 dB, 18-25,000 Hz. *Usable FM Sensitivity:* 2.2 μ V. *FM Separation:* 36 dB. *Output:* 4 to 16 ohms; headphones; tape recording. $4\frac{1}{2} \times 15\frac{1}{2} \times 11\frac{3}{4}$ ". For 110-120 volts, 50-60 Hz AC. Order case below. Shpg. wt., 14 lbs.

13 B 2713 U. **\$16 Monthly**. **285.00**
13 B 2001 X. Brown Metal Case. Wt., 5 lbs. **11.85**
13 B 2002 X. Oiled Walnut Wood Case. Wt., 6 lbs. **20.82**

C Model 342B 65-Watt Stereo FM Receiver

- Scott Deluxe Quality at a Surprisingly Moderate Price
- Silicon Solid-State Circuit For Greatest Stability
- Integrated Circuit IF • Field-Effect Front End

Superb Scott features, including even Integrated Circuits, make this receiver a remarkable value. All-silicon circuit with Integrated Circuit IF amplifier for super-sensitivity and wide stereo separation. Silver-plated Field-Effect-Transistor front-end for great selectivity and freedom from interference. Transformerless output for powerful, full-response performance. Noise filter eliminates interference on FM. Speaker switches for selecting main-remote or both sets of speakers. Precision tuning meter, front-panel headphone jack, monitor, bass and treble controls for each channel. Inputs for all music sources. *Response:* ± 1 dB, 18-25,000 Hz. *Usable FM Sensitivity:* 2.2 μ V. *FM Separation:* 36 dB. *Outputs:* 4 to 16 ohms; headphones, recording. $4\frac{1}{2} \times 15\frac{1}{2} \times 11\frac{3}{4}$ ". For 110-120 volts, 50-60 Hz AC. Order case below. Shpg. wt., 14 lbs.

13 B 2711 U. **\$13 Monthly**. **255.00**
13 B 2001 X. Brown Metal Case. Wt., 5 lbs. **11.85**
13 B 2002 X. Oiled Walnut Wood Case. Wt., 6 lbs. **20.82**



344C 90-Watt Stereo FM Receiver

\$339.95
less case

\$16 monthly

- New Integrated Circuit IF Amplifier
- Field Effect Transistor Front End
- Computer-Type Pushbutton Switches

Many new features for breathtaking performance, plus full 90-watt 1HF output at 4 ohms. Superb stereo separation and sensitivity. Silver-plated Field-Effect-Transistor front end. Transformerless silicon transistor output. Tuning meter, interstation muting dual speaker switches for main/remote/both, front-panel mike/guitar inputs; noise filter, tape monitor. *Response:* ± 1 dB, 15-30,000 Hz. *Sensitivity:* 1.9 μ V. *Outputs:* 4 to 16 ohms; stereo, headphone; derived center channel; tape. $5\frac{1}{2} \times 14\frac{1}{2} \times 13\frac{1}{2}$ ". 117 VAC. Case below.
13 B 2714 U. Shpg. wt., 25 lbs. **\$16 Monthly**. **339.95**
13 B 2002 X. Oiled Walnut Wood Case. Wt., 6 lbs. **20.82**



Save
\$60.10

Scott 65-Watt Stereo FM-AM Phono System

\$379.20
less case

\$18 monthly

Scott 382B, plus other famous components... everything you need for superb stereo listening

Separately, **\$439.30**. Quality components for finest stereo performance that will please the most critical audiophile. Includes Scott 382B 65-Watt Solid-State Stereo FM-AM Receiver, new Garrard SL55 Synchro-Lab 4-Speed Automatic Turntable and Base, Picking V15/ACE-3 Stereo Elliptical Cartridge with "Dustomatic" brush, and two Knight KN-3005 Walnut Speaker Systems, each with 10" woofer, 6" midrange, $3\frac{1}{2}$ " tweeter for dramatic, full-range reproduction. Complete with cables, hi-fi booklet. Less receiver case under 342B, at left. Wt., 71 lbs.
13 B 0150 LSU. **\$18 Monthly**. **379.20**

Famous Solid-State Stereo Receivers

STEREO
RECEIVERS

LATEST VERSIONS OF TWO H. H. SCOTT RECEIVERS



New 388B 120-Watt Stereo FM-AM Receiver

\$454⁹⁵
less
case

\$20 monthly

- Sensitive Field-Effect-Transistor Front End
- Latest Integrated Circuits • Muting Control
- Main/Remote Speaker Switch • Tape Monitor

Scott's finest stereo FM-AM receiver. Ultra-sensitive front end, plus an array of advanced features for stereo FM to more than fulfill the most exacting requirements. Automatic Variable Bandwidth for outstanding AM, too. Has all controls and inputs for plugging in phono, tape deck or mike. Between-station muting; tuning meter; stereo indicator light; rumble, scratch filters. *Power:* 120 watts IHF at 4 ohms. *Response:* 15-30,000 Hz. *Sensitivity:* 1.5 μ V. *Harmonic Distortion:* 0.8%. *Outputs:* 4-16 ohms; stereo headphones; recording. 4 $\frac{1}{2}$ "x15 $\frac{1}{2}$ "x12 $\frac{1}{4}$ ". Case below. 110-120 V, 60 Hz AC. Available Nov. 1, 1967.

13 B 2717 U. Shpg. wt., 29 lbs. \$20 Monthly.....454.95
13 B 2733 X. Oiled Walnut Case. Shpg. wt., 8 lbs.....26.95



New 348B 120-Watt Stereo FM Receiver

\$424⁹⁵
less
case

\$19 monthly

- Ultra-Reliable Integrated Circuits in IF
- Tuning Meter • Silver-Plated Front End
- Field-Effect Transistors • Noise Filters

A marvel of electronic design, the 348B stereo FM receiver develops a breadth and depth of stereo sound that leave a never-to-be-forgotten impact on the listener. Packing plenty of reserve power; it delivers 120 watts of clean, clear stereo. Meeting the same superb specifications as the 388B at left, but without AM band, the 348B also provides complete audio mastery of every stereo and mono source. Computer-type, pushbutton switches permit adjustments to be made with feather-light touch. Sensitivity is unsurpassed. 4 $\frac{1}{2}$ "x15 $\frac{1}{2}$ "x12 $\frac{1}{4}$ ". Order case below. For 110-120 volts, 60 Hz AC.

13 B 2720 U. Shpg. wt., 25 lbs. \$19 Monthly.....424.95
13 B 2733 X. Oiled Walnut Case. Shpg. wt., 8 lbs.....26.95

ELECTRO-VOICE RECEIVERS... BUILT TODAY WITH TOMORROW IN MIND



New 1277 65-Watt Stereo FM Receiver

\$238⁰⁰
\$12 monthly

- Zero-Center Tuning Meter
- Stereo Indicator Light
- Ultra-Compact Size

A new receiver combining latest solid-state circuits, exquisite styling and extremely compact design, plus the power to reproduce thunderous orchestral passages with crystal clarity and full dynamic range. Has zero-center meter for perfect FM tuning, and stereo indicator light. Inputs for magnetic phono, auxiliary and high-level tape. Speaker muting switch. *Output Power:* 65 watts IHF. *Response:* ± 1.5 dB, 20-20,000 Hz. *Usable FM Sensitivity:* 2 μ V (IHF) for 30 dB quieting. *Outputs:* 4 to 16 ohms; stereo headphone; tape recording. With metal cover, walnut finished end-panels. Measures only 3 $\frac{3}{4}$ "x15 $\frac{1}{4}$ "x10 $\frac{1}{4}$ " deep. For 110-130 volts, 60 Hz AC. Shpg. wt., 17 lbs.

13 B 2746 U. \$12 Monthly.....238.00
13 B 2749 U. Model 1278. As above, but receives AM in addition to FM. 17 lbs.....267.75



**55-Watt
Stereo FM
Receiver**
\$178⁵⁰
\$9 monthly



**30-Watt
Stereo FM
Receiver**
\$149⁶⁰
\$8 monthly

A New 1179 55-Watt-IHF Stereo FM Receiver. Offers plenty of power to produce the full orchestral range, and its modern FM circuit assures quality stereo reception even under difficult conditions. *Response:* ± 1.5 dB, 20-20,000 Hz. *Sensitivity:* 3 μ V (IHF) for 30 dB quieting. With metal cover, walnut-finished end panels. 4 $\frac{1}{2}$ "x9 $\frac{1}{2}$ "x10". For 110-130 volts, 60 Hz AC.
13 B 2761 X. Shpg. wt., 15 lbs. \$9 Monthly.....178.50

B 1180 30-Watt Stereo FM Receiver. A fine value. Has magnetic phono and auxiliary inputs, tape output, headphone jack. Controls: Function, Mode Selectors; Bass; Treble; Balance; Volume. 20-20,000 Hz response. 3 μ V sensitivity. 5 $\frac{1}{8}$ "x15 $\frac{1}{4}$ "x8 $\frac{1}{2}$ ". With case, die-cast zinc end-panels. For 115 VAC.
13 B 2760 X. Shpg. wt., 16 lbs. \$8 Monthly.....149.60

Four Big-Value Stereo Receivers

BOGEN DELUXE SOLID-STATE STEREO RECEIVERS

STEREO
RECEIVERS



Shown in wood case

TR100X 60-Watt Stereo FM-AM Receiver

\$212⁴⁵
less
case

- All-Silicon-Transistor Circuit
- Excellent Stereo Separation
- Subsonic Filter • Tuning Meter

\$11 monthly

A great performer with many fine features not expected in a moderately priced receiver. All silicon transistors assure first-rate stereo FM reception and high-quality AM. Has controls and inputs for plugging in magnetic phono and tape equipment, too. Includes subsonic filter for maximum power output. Has selector for main/remote speakers and earphones. Signal-strength tuning meter. Stereo indicator light. *Power:* 60 watts IHF; 50 watts rms. *Response:* ± 1 dB, 20-50,000 Hz. *Harmonic Distortion:* below 1%. *Usable FM Sensitivity:* 2.7 μ V, IHF. *Stereo FM Separation:* 35 dB at 1 kHz. *Outputs:* 4, 8, 16 ohms; stereo headphones; recording. $4\frac{1}{2} \times 16 \times 11\frac{1}{4}$ ". Order case below. For 110-120 volts, 60 Hz AC. Shpg. wt., 19 lbs.

13 B 2506 U. \$11 Monthly. **212.45**
13 B 2501 X. EN16 Walnut-Textured Metal Case, 6 lbs. 12.70
13 B 2504 X. WE16 Oiled Walnut Wood Case, 7 lbs. 21.20



Shown in wood case

RT-8000 70-Watt Stereo FM-AM Receiver

\$271⁹⁵
less
case

- Bogen's Most Powerful Solid-State Receiver
- Silicon-Transistor Output and Driver Stages
- Controls and Inputs for Every Hi-Fi Source

\$14 monthly

Bogen's finest receiver! Offers a powerful 70-watt output, brilliant stereo FM reception, top-quality AM performance, plus a no-compromise preamp with a vast array of controls for every stereo or mono source. D'Arsonval signal-strength meter and automatic stereo switching for perfect tuning of any station, in seconds. Stereo indicator light. Rocker switches for on/off, stereo/mono, tape monitor, AFC, loudness. *Power:* 70 watts IHF. *Response:* ± 1 dB, 20 to 50,000 Hz. *Usable FM Sensitivity:* 2.3 μ V, IHF. *Harmonic Distortion:* under 0.5%. *Stereo FM Separation:* 38 dB at 1 kHz. *Outputs:* 4, 8, 16 ohms; stereo headphones; recording. $4\frac{1}{2} \times 16 \times 14$ ". Order case below. For 110-120 volts, 60 Hz AC. Shpg. wt., 26 lbs.

13 B 2578 U. \$14 Monthly. **271.95**
13 B 2584 X. EN13 Walnut-Vinyl-Clad Metal Case, 6 lbs. 12.70
13 B 2585 X. WE13 Oiled Walnut Wood Case, 7 lbs. 25.45

VALUE-PACKED PIONEER RECEIVER



NEW!

SX-300T 40-Watt Stereo FM-AM Receiver

\$199⁹⁵
less
case

- Schmidt Time-Switching Multiplex Circuit
- Transformerless Output for Wide Response
- Complete Tape Monitoring Facilities

\$10 monthly

Offers outstanding stereo FM plus AM, and many big features, at low cost. Advanced 41-transistor, 12-diode circuit. Has automatic stereo FM switching, stereo indicator light, and sensitive signal-strength meter for easy tuning. Transformerless output for broad power bandwidth. Switchable loudness contour. Stereo headphone jack. Tape monitor switch. *Power:* 40 watts IHF at 4 ohms; 25 watts continuous rms. *Response:* ± 3 dB, 20-20,000 Hz. *FM Sensitivity:* 3 μ V, IHF. *Harmonic Distortion:* less than 1%. *Inputs:* magnetic and ceramic phono; auxiliary; tape monitor. *Outputs:* 4-16 ohm speakers; stereo headphone; tape recorder. Size, $5\frac{1}{2} \times 16 \times 12\frac{1}{4}$ ". Order case below. For 110-120 volts, 60 Hz AC. From Japan. Shpg. wt., 29 lbs. **199.95**

13 B 2580 U. \$10 Monthly. **199.95**
13 B 2581 X. Oiled Walnut Wood Case, 7 lbs. 30.00

NEW POWERFUL KENWOOD RECEIVER



NEW!

TK-140 130-Watt Stereo FM-AM Receiver

\$339⁹⁵
with
case

- Field Effect Transistor Front End
- Unique Keyboard-Type Switches
- Automatic Stereo FM Switching

\$16 monthly

This powerful receiver is loaded with deluxe extras for superior all-around performance and operating convenience. Field-Effect-Transistor front-end for super-sensitivity and silicon output transistors for amazingly "clean" sound. Special time division stereo FM circuit provides 38 dB channel separation. Automatic stereo switching, between-station muting, illuminated tuning meter, tape monitor, speaker selector switch. *Power:* 130 watts IHF at 4 ohms; 100 watts cont. *Response:* ± 2 dB, 20-50,000 Hz. *FM Harmonic Distortion:* 0.6%. *FM Sensitivity:* 2 μ V IHF. *Inputs:* magnetic and ceramic phono; tape head; recorder. *Outputs:* 4-16 ohms; headphones; tape; center channel for separate mono amplifier. With handsome walnut-finish metal case. $5\frac{1}{2} \times 16 \times 13\frac{1}{4}$ ". For 110-120 VAC. From Japan, 31 lbs. **339.95**

13 B 2489 U. \$16 Monthly. **339.95**

Use Allied's Credit Fund Plan to Get a New Receiver Now

ALLIED 25

New Solid-State Stereo Components

STEREO RECEIVERS

HARMAN-KARDON RECEIVER-TURNTABLE COMBINATIONS

NEW!



NEW!



Deluxe Stereo Receivers
with Built-In Automatic Turntables. . .
Just Add Speakers for a Full Music System

SC-7 60-Watt FM-AM Receiver-Turntable

\$399⁵⁰

- Sensitive MOSFET Front End Circuit
- Advanced Integrated Circuit IF
- Speaker System Selector Switch

\$18 monthly

Exciting two-in-one combination. Pulls in superb stereo FM, AM, and boasts a built-in professional quality Dual 1009SK four-speed automatic turntable with diamond-stylus stereo magnetic cartridge. Receiver features MOSFET (metal-oxide silicon field-effect transistor) front-end for spectacular reception. Automatic stereo-mono FM switching with indicator light, tape monitor, headphone jack, tuning meter, loudness contour switch. *Output:* 60 watts IHF. *Response:* ± 1 dB, 20-23,000 Hz at 60 watts. *FM Separation:* 35 dB. *FM Sensitivity:* 2.5 μ V IHF. Beautiful oiled walnut cabinet. Size, 9x18 $\frac{1}{2}$ x16 $\frac{1}{4}$ ". For 110-120 volts, 60 Hz AC. Shpg. wt., 37 lbs.

13 B 2197 U. \$18 Monthly. 399.50
13 B 2202 X. Dust Cover, Tinted Plastic, 6 lbs. 19.95

SC-6 50-Watt FM-AM Receiver-Turntable

\$299⁵⁰

- Automatic Stereo Switching
- Sculptured Oiled Walnut Cabinet
- BSR 4-Speed Automatic Turntable

\$15 monthly

Harman-Kardon 50-watt stereo FM-AM receiver and BSR automatic turntable in one compact cabinet. Empire 808 stereo magnetic cartridge. Stereo indicator light and tuning meter. Headphone jack. Recorder output. *Response:* ± 1 dB, 20-23,000 Hz at full power. *Output:* 50 watts IHF. *FM Sensitivity:* 2.9 μ V IHF. 8 $\frac{1}{2}$ x18 $\frac{1}{2}$ x16 $\frac{1}{4}$ ". For 110-120 VAC. 36 lbs.

13 B 2168 U. \$15 Monthly. 299.50
13 B 3299 X. Dust Cover, Tinted plastic, 5 lbs. 19.95

Famous Harman-Kardon "Nocturne" Solid-State Stereo Receivers

NEW!



200 50-Watt FM Receiver

\$199⁹⁵

- MOSFET Front End
- Speaker Switch
- Wideband Circuit

\$10 monthly

Luxurious styling and exciting stereo FM reception at a surprisingly low price. Features MOSFET (metal-oxide silicon field-effect transistor) front end. Tape monitor, headphone jack, tuning meter with indicator light, automatic stereo FM switching. *Output:* 50 watts IHF. *Response:* ± 1 dB, 10-23,000 Hz at full power. *FM Sensitivity:* 2.7 μ V IHF. *Stereo Separation:* 30 dB. 4 $\frac{1}{2}$ x14 $\frac{1}{2}$ x13 $\frac{1}{4}$ ". Order case below. 117 VAC. 20 lbs.
13 B 2177 U. \$10 Monthly. 199.95

Model 210 FM-AM. Same as above but also receives AM. 20 lbs.
13 B 2174 U. \$12 Monthly. 229.00
13 B 2168 X. Oiled Walnut Wood Case. Shpg. wt., 6 lbs. 21.20



520 70-Watt FM Receiver

\$269⁰⁰

- MOSFET Front End
- Interchannel Muting
- Integrated Circuits

\$14 monthly

Thrilling stereo and mono FM. Superb styling; dial disappears when receiver is turned off. Metal-oxide silicon field effect transistor front end for excellent stereo even in fringe areas. Stereo indicator light, tape monitor, headphone jack. *Output:* 70 watts IHF. *Response:* ± 1 dB, 8-40,000 Hz at full power. *Harmonic Distortion:* under 0.8%. *Sensitivity:* 1.95 μ V. 4 $\frac{1}{2}$ x15 $\frac{1}{2}$ x12 $\frac{1}{2}$ ". For 110-120 volts, 60 Hz AC. Order case below. 21 lbs.
13 B 2195 U. \$14 Monthly. 269.00

Model 530 FM-AM. As above, but also receives AM. 21 lbs.
13 B 2196 U. \$15 Monthly. 299.00
13 B 2198 X. Oiled Walnut Wood Case. Shpg. wt., 6 lbs. 29.95



720 80-Watt FM Receiver

\$314⁰⁰

- MOSFET Front End
- Interchannel Muting
- Automatic Switching

\$16 monthly

Beautiful to look at, a joy to hear. Complete set of controls for all music sources. MOSFET (metal-oxide silicon field-effect transistor) front end for outstanding reception. Interchannel muting for silence between stations when tuning. Hi and lo filters, tape monitor, automatic stereo FM switching, headphone jack. *Frequency Response:* 8-40,000 Hz at full rated power. *Output:* 80 watts IHF. *FM Sensitivity:* 1.8 μ V IHF. *Channel Separation:* 35 dB. 5x16 $\frac{1}{2}$ x11 $\frac{1}{4}$ ". For 110-120 volts, 60 Hz AC. Order case below. Wt., 26 lbs.
13 B 2176 U. \$16 Monthly. 314.00
13 B 2208 X. Oiled Walnut Wood Case. Shpg. wt., 6 lbs. 25.46

Finest Quality Stereo Receivers

STEREO
RECEIVERS

SHERWOOD All-Silicon-Transistor Receivers

S-7800 140-Watt Stereo FM-AM Receiver

A magnificent receiver with all silicon transistors and Field-Effect Transistors in RF and mixer stages or extraordinary stereo FM; also high-quality AM reception. Instant output overload protection. Front-panel preamp level adjustment. Tape monitor. Main/Remote speaker switches. Output: 140 watts IHF. Power Bandwidth: 12-35,000 Hz. IM Dist.: 0.1%. FM Sensitivity: 1.6 μ V for 30 dB quieting. Capture Ratio: 2.2 dB. $4\frac{1}{2} \times 16\frac{1}{2} \times 14"$. For 117 volts, 60 cycle AC. Case below. Wt., 27 lbs.

3 B 2424 U. \$19 Monthly.....409.50

Model S-8800. Same as S-7800 listed above, but receives FM only. Shpg. wt., 27 lbs.

3 B 2826 U. \$17 Monthly.....359.50

3 B 2475 X. Walnut Grain Metal Case. 8 lbs.....9.00

3 B 2429 X. Oiled Walnut Wood Case. 8 lbs.....28.00

S-7600 80-Watt Stereo FM-AM Receiver

Superb stereo and mono FM, plus first-rate AM reception. Advanced all-silicon circuit with FET's for best performance. Automatic stereo-mono FM switching with stereo indicator light. Tape monitor. Main, remote speaker switching. Zero-center tuning meter, stereo headphone jack. Output: 80 watts HF. Power bandwidth: 12-35,000 Hz. FM Sensitivity: 1.8 μ V. $4\frac{1}{2} \times 16\frac{1}{2} \times 12"$. 117 VAC. Case below. Wt., 22 lbs.

3 B 2426 U. \$16 Monthly.....339.50

Model S-8600. Same as S-7600 listed above except receives FM only. Wt., 21 lbs.

3 B 2491 U. \$15 Monthly.....289.50

3 B 2428 X. Walnut-Grain Metal Case. 8 lbs.....9.00

3 B 2427 X. Oiled Walnut Wood Case. 8 lbs.....28.00



\$409.50
less
case

\$19 monthly

- Field-Effect Transistors in RF, Mixer Stages
- Silicon Transistors for Outstanding Hi-Fi
- Interchannel Hush for Noise-Free Tuning
- Automatic Stereo-Mono FM Switching

Both units shown in metal accessory cases



\$339.50
less
case

\$16 monthly

- Professional Zero-Center FM Tuning Meter
- Instant Output Overload Protection
- All Silicon Transistors • FET Front End
- Automatic Stereo-Mono FM Switching

NEW!



MARANTZ

Marantz 18 Solid-State 80-Watt Stereo FM Receiver

\$595.00

\$25 monthly

- For the Exacting Audiophile and Professional User
- Built-In Oscilloscope for Tuning Perfection
- Passive RF Stage Prevents Overload Distortion

There is the instrument thousands of connoisseurs have been waiting for—receiver convenience combined with unsurpassed Marantz craftsmanship. Unique passive RF circuit eliminates overloading distortion caused by strong, local stations. Built-in oscilloscope tuning indicator shows multipath for exact antenna adjustment and perfect tuning. Direct-coupled transformerless amplifier has virtually instantaneous overload recovery. Tape monitor, inputs and outputs for all stereo sources. Power: 80 watts rms. Response: ± 1 dB, 15-30,000 Hz. Harmonic Distortion: 0.1%. FM Sensitivity: 2.5 μ V. Signal-to-Noise Ratio: 70 dB. Channel Separation: 45 dB at 1000 Hz. Size, $6 \times 18\frac{1}{2} \times 16"$. For 110-120 volts, 50-60 Hz AC. Order case below. Shpg. wt., 40 lbs.

3 B 2260 U. \$25 Monthly.....595.00

3 B 2261 X. Oiled Walnut Wood Case. Shpg. wt., 11 lbs.....39.50



See Our Specially-Selected Hi-Fi Manager Stereo Systems

Allied offers you a wide choice of stereo music systems priced for every budget. A complete system offers savings off prices of single components purchased separately. Matched systems are offered on pages 8, 9, 13, 15-18, 23, 28, 29, 31-33, 38, 47, 48. For Knight-Kit Systems, see pages 440-451.

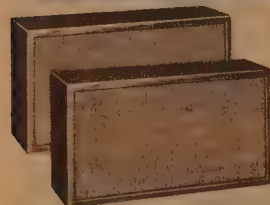
Famous-Brand Systems Offered in This Catalog

ALLIED ALLIED-KNIGHT SCOTT
DYNA ELECTRO-VOICE EICO
SHERWOOD FISHER ACOUSTECH
KNIGHT-KIT HARMAN-KARDON

Buy with No Money Down!



Specially-Matched Stereo Systems



System With
Harman-Kardon
200 Receiver

\$309⁵⁰
less
case

\$15 monthly

Save
\$56.35

Harman-Kardon 50-Watt FM-Phono System

Separately, \$365.85. A set of fine components offering outstanding stereo, and \$56.35 system savings. Harman-Kardon 200 50-Watt Solid-State Stereo FM Receiver has FET front-end for high stability and sensitivity. McDonald BSR 500A Automatic Turntable has deluxe features including cueing and counterweighted arm. With walnut base. Shure M44E Stereo Elliptical Cartridge. Two Knight KN-3005 Walnut Speaker Systems have 10" woofer, 6" midrange, 3 1/2" tweeter. With cables, hi-fi booklet. Receiver case below. Shpg. wt., 77 lbs.

13 B 0155 DSU, \$15 Monthly, 309.50
13 B 2168 X. Walnut Case for 200, 210, 6 lbs., 21.20

Above System with FM-AM Receiver

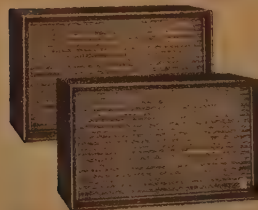


Harman-Kardon 210 FM-AM Receiver instead of 200, plus the other components above. Order 210 case above.
13 B 0156 DSU, Wt., 77 lbs. \$16 Monthly, 334.50

\$334⁵⁰ Save
\$60.40



Shown in
wood case



Save
\$103.10

\$386²⁰
less
case

\$18 monthly

Scott 342B 65-Watt FM-Phono System

Separately, \$489.30. Superb stereo coupled with great savings make this a great value. Scott 342B 65-Watt Solid-State Stereo FM Receiver has FET front-end offers superb response. Garrard SL65 Synchro-Lab Automatic Turntable with ultra-precision speeds. With base. Empire 888E Stereo Elliptical Cartridge. Two Knight KN-3030A Walnut Speaker Systems have 12" woofer, 6" midrange, 3 1/2" tweeter. With cables, hi-fi booklet. Receiver case below, 88 lbs.

13 B 0157 DSU, \$18 Monthly, 386.20

Cases for 342B or 382B.

13 B 2001 X. Metal Case. Wt., 5 lbs., 11.85
13 B 2002 X. Oiled Walnut Case. Wt., 6 lbs., 20.82

Above System with FM-AM Receiver



Scott 382B, deluxe features of 342B, plus wide-band AM, and other components above. Case above.

13 B 0158 DSU, Wt., 88 lbs. \$19 Monthly, 409.20

\$409²⁰ Save
\$110.10



Save
\$114.08

\$499⁸⁰
less
case

\$21 monthly

Fisher 500T 90-Watt FM-Phono System

Separately, \$613.88. Finest components for lifelike stereo sound. Big savings, too. Fisher 500T 90-Watt Solid-State Stereo FM Receiver offers supersensitive FM and superb reproduction of all other music sources. Garrard SL65 Synchro-Lab Automatic Turntable with cueing and other deluxe features. With base. Pickering XV15/AME Stereo Elliptical Cartridge includes stylus brush. Two Knight KN-2330 Walnut Speaker Systems with 12" woofer, 8" midrange, 3 1/2" tweeter. With cables, hi-fi booklet. Receiver case below. Shpg. wt., 124 lbs.

13 B 0171 DSU, \$21 Monthly, 499.80
13 B 2633 X. Walnut Case. 500T, 550T, 9 lbs., 22.45

Above System with FM-AM Receiver



Fisher 550T, same fine features of 500, plus AM, and the other components above. Case above.
13 B 0172 DSU, Wt., 125 lbs. \$23 Monthly, 529.70

\$529⁷⁰ Save
\$127.06

Selected by Our Hi-Fi Manager



Scott 348B 120-Watt FM-Phono System

Separately, \$790.25. Connoisseur-quality system for magnificent stereo. System savings of \$136.05. Scott 348B Solid-State Stereo FM Receiver is Scott's finest, most powerful FM receiver. Garrard SL95 Synchro-Lab Automatic Turntable is the finest Garrard ever. With base, Empire 888TE Stereo Elliptical Cartridge. Two Knight KN-2300C Acoustic Suspension 3-Way Walnut Speaker Systems with 12" woofer, offering thrilling bass. Cables, hi-fi booklet. Receiver case below. Shpg. wt., 142 lbs.

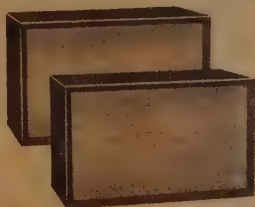
13 B 0123 D5U. \$88 Monthly. 654.20
13 B 2733 X. Walnut Case. 348B, 388B, 8 lbs. . . . 26.95

Featuring
Scott's Best
FM Receiver

\$654²⁰
less
case

\$28 monthly

Save
\$136.05



Above System with FM-AM Receiver

Scott 388B, same features of 348B, plus AM, and the other components above. Case above.

13 B 0126 D5U. Wt., 146 lbs. \$29 Monthly. 679.20
Available Nov. 1, 1967



\$679²⁰ Save
\$141.05

Fisher 700T 120-Watt FM-Phono System

Separately, \$739.88. An outstanding system of top-quality components selected by our Hi-Fi Manager to offer you a great system at \$110.08 savings. You'll enjoy stereo sound of superb quality.

Fisher 700T 120-Watt Solid-State Stereo FM Receiver is Fisher's finest and most powerful receiver. Super-sensitive FM circuit has Field-Effect Transistor front end. Delivers tremendous power to reproduce the full musical range with spectacular clarity and realism. Garrard SL75 Automatic Turntable has new Synchro-Lab motor for perfect speed that assures you of superb sound. Low-mass pickup arm with adjustable counterweight and stylus adjustment, cuing control, full 12" turntable with base. Pickering XV15/AME Stereo Elliptical Cartridge is complete with stylus brush.

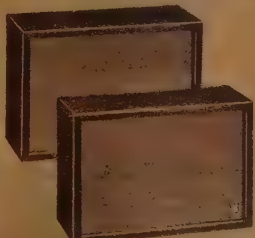
Two Knight KN-2260 Walnut Speaker Systems have 12" woofer, 8" midrange, and compression horn-loaded tweeter. Offer impressive full-range sound. System is complete with all cables, and hi-fi booklet. Receiver case below. Shpg. wt., 135 lbs.

13 B 0173 D5U. \$27 Monthly. 629.80
13 B 2633 X. 700T Walnut Case. 9 lbs. 22.45

\$629⁸⁰
less
case

\$27 monthly

Save
\$110.08



\$409⁸⁰

Save **\$50.05**



\$489⁰⁸

Save **\$60.32**



Fisher FM-AM Stereo Receiver-Turntable System

Separately, \$459.85. Features space-saving new Fisher 110 35-Watt FM-AM Receiver-Turntable—a highly-sensitive stereo receiver with fine Automatic Turntable mounted on top, Pickering cartridge, and integrated circuits. Counterweighted arm, anti-skating, cuing. Two Knight KN-3030A Walnut Speaker Systems with 12" woofer, 6" midrange, 3 1/2" tweeter. Ready-to-play. Wt., 82 lbs.

13 B 0301 L3U. \$19 Monthly. 409.80
13 B 2659 X. Dust Cover. Wt., 5 lbs. 14.95

Harman-Kardon Stereo Receiver-Turntable System

Separately, \$549.40. Features new H-K SC7 60-Watt FM-AM Receiver-Turntable, a new concept in hi-fi. SC7 is a fine stereo receiver with Dual 1009SK Automatic Turntable mounted on top. Has 4-lb. platter, cuing, 4 speeds. Deluxe stereo elliptical cartridge. Two Knight KN-2260 Walnut Speaker Systems with 12" woofer, 8" midrange, compression tweeter. With cables. Shpg. wt., 113 lbs.

13 B 0302 L3U. \$21 Monthly. 489.08
13 B 2202 X. Dust Cover. Wt., 5 lbs. 19.95

No Money Down . . . Up to Two Years to Pay

ALLIED 29

FAMOUS-NAME AMPLIFIERS

On these pages you'll find the finest selection of famous-name stereo amplifiers anywhere. Featuring our own Allied and Allied-Knight stereo amplifiers.

Our Lowest-Price Stereo Amplifier



Shown in walnut case

Allied-Knight KNI-935 32-Watt Stereo Amplifier

Outperforms All Others in Its Price Class

With Metal Case

\$69⁹⁵

\$5 monthly

- 64 Watts Peak Output Power, 32 Watts IHF Music Power
- Four-Position Selector Switch
- Complete Stereo Tape Monitoring Facilities
- Smooth-Operating Rocker Switches
- Equalized Magnetic, Ceramic Phono and Tape Inputs Plus Tuner and Auxiliary Inputs
- Dual Volume Controls Adjust Level of Both Channels Simultaneously or Separately
- Front-Panel Stereo Headphone Jack
- Deluxe Extruded Gold Front Panel

DELUXE FEATURES INCLUDE



Convenient, Easy-to-Use
Dual Volume Control
Adjusts Channels Together
or Individually



Has Tape Monitor Switch
for Comparing Recorded
Tape With Program Source
When Using 3-Head Deck

PHONES



Front Panel Stereo
Headphone Jack
Accepts Stereo Head-
phones for Private
Listening

This feature-packed stereo amplifier actually outperforms others in its price class by a wide margin. Delivers 64 watts peak stereo output (32 watts IHF music power) for powerful bass, rich solid midrange and crystal-clear treble. Offers exciting stereo performance at a budget-pleasing price.

Provides a full array of stereo controls, inputs and outputs for every music source and application. Dual concentric volume controls let you adjust channels together or separately. Stereo headphone jack affords private listening—cuts out speaker while you hear your favorite music. Sturdy mechanical construction. Beautifully-styled Sierra Gold $\frac{3}{16}$ "-thick extruded aluminum front panel with machined knobs, usually found only on higher-priced components.

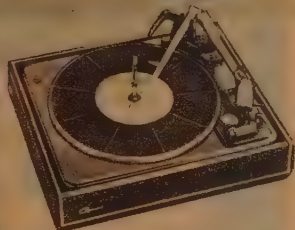
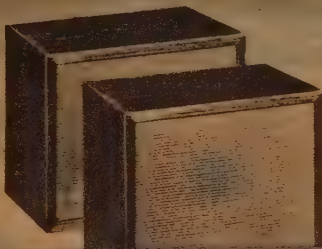
Rocker switches for easy finger-tip control. Seven-tube, 4-diode circuit. $4\frac{3}{4} \times 1\frac{3}{4} \times 9\frac{3}{4}$ ". With brown metal case (order oiled walnut veneer case below). For 110-127 volts, 60 Hz AC. Made in Japan to Allied's specifications.

14 B 5525 U. Shpg. wt., 22 lbs. \$5 Monthly **69.95**
14 B 5005 X. Oiled Walnut Wood Case. Shpg. wt., 5 lbs. **12.95**

KNI-935 SPECIFICATIONS

Rated Power Output: 64 watts peak; 32 watts IHF, 16 per channel, 12 watts per channel continuous sine wave. **Frequency Response:** ± 2 dB, 20-30,000 Hz. **Harmonic Distortion:** 1% at rated output. **Hum/Noise:** Mag. Phono, -55 dB, Aux., -70 dB. **Inputs:** Magnetic Phono; Tuner; Ceramic or Low-Level Auxiliary; High-Level Auxiliary; Tape Recorder. **Sensitivity:** Magnetic Phono, 2.3 millivolts **Outputs:** 8 or 16 ohms per channel; Stereo Headphone Jack; Recorder; Tape-Source Monitoring. **Controls:** Bass, Treble, Input Selector, Tape Monitoring, Power On/Off, Speaker, Volume, Loudness On/Off, and Stereo/Mono. **AC Convenience Outlets:** Two; 1 switched on and off with amplifier.

Save Up to \$74.75 on An Allied Hi-Fi Manager's Selected Ensemble



Shown in walnut case

Save \$39.30

With Metal Case **\$149⁵⁰**

\$8 monthly

Allied-Knight KNI-935 32-Watt Stereo High-Fidelity Phono Music Ensemble

Purchased Separately, \$188.80. Specially selected by our Hi-Fi Manager for the value-conscious music lover, this ensemble offers outstanding stereo reproduction at a low price. The powerful KNI-935 Stereo Amplifier, with metal case, produces 64 watts of peak power output to reproduce your favorite music with absolute purity. Has a full array of controls, inputs, outputs, and headphone jack. (Optional walnut case on facing page.) Garrard 40 MK II precision 4-speed automatic turntable with deluxe base, Empire 808E

Stereo Elliptical Diamond Stylus Cartridge with high-compliance, wide frequency range and excellent channel separation. Two Knight KN-3002 Two-Way Walnut Shelf Speaker Systems each have an 8" woofer and 3 1/2" tweeter for excellent reproduction, response of 50-15,000 Hz. Enclosures are finished in luxurious oiled walnut veneer. Complete with Allied's System Extras—cables, hi-fi booklet. Shpg. wt., 75 lbs.

14 B 0275 DSZ. \$8 Monthly 149.50



Shown in walnut case

Deluxe 32-Watt Stereo Phono Ensemble

Save **\$179⁹⁵** With Metal Case
\$48.85 \$9 monthly

Separately, \$228.80. Features Knight KNI-935 32-Watt Stereo Amplifier, with metal case (optional walnut case on facing page); Garrard SL55 Synchro Lab Automatic Turntable, base; Shure M44E Cartridge with elliptical diamond stylus; two Knight-KN-3005 3-Way 10" Oiled Walnut Speaker Systems. With cables, booklet.

14 B 0281 DSZ. Wt., 80 lbs. \$9 Monthly 179.95



Shown in walnut case

Finest 32-Watt Stereo Phono Ensemble

Save **\$199⁹⁵** With Metal Case
\$74.75 \$10 monthly

Separately, \$274.70. Includes the Knight KNI-935 32-Watt Stereo Amplifier with metal case (optional walnut case on facing page); new Allied 919 4-Speed Automatic Turntable with base; Pickering V15ATE-3 Cartridge with elliptical diamond stylus; two Knight KN-3030A 12" 3-Way Speaker Systems assembled and finished. Cables, booklet.

14 B 0283 DSZ. Wt., 92 lbs. \$10 Monthly 199.95

Order Your Stereo System Now—Use Your Allied Credit Fund

ALLIED 31

Allied-Knight 75-Watt Stereo Amplifier

OUR BEST SOLID-STATE AMPLIFIER NOW PRICED LOWER THAN IN LAST YEAR'S CATALOG . . TOPS IN QUALITY, DELUXE FEATURES



Shown in walnut case

Famous KN-975 75-Watt Solid-State Stereo Hi-Fi Amplifier

\$129⁹⁵
less
case \$7
monthly

- Delivers 150-Watt Peak Power To Drive Any Type Speaker System
- Controls and Inputs for Tape Monitoring, Recording and Playback
- Solid-State Circuit for Cool Operation, Distortion-Free Music

Retains all the features and power of the original model—only the price has been changed to give you more value than ever before. Delivers 150 watts peak power to drive any speaker system effortlessly, for the finest in stereo music reproduction. Pure, undistorted sound is free from electronic coloration. Full complement of 21 semiconductors. Elegant styling too, with massive extruded aluminum front panel finished in brushed gold.

Solid-state circuit delivers "clean" sound, from lowest bass to the highest frequencies you can hear. Full array of inputs, outputs and controls for handling any program source. Tape Monitor switch lets you hear a tape as it's being recorded (when used with a 3-head tape deck). Main-Remote pushbutton lets you instantly switch between two sets of stereo speakers. Special temperature converters let power transistors operate at full capacity without overheating. Six positive-action rocker-type pushbutton switches. $4\frac{1}{2} \times 13\frac{7}{8} \times 12\frac{3}{4}$ ". Order case below. For 105-130 V, 60 Hz AC.

14 B 5403 U. Shpg. wt., 17 lbs. \$7 Monthly 129.95

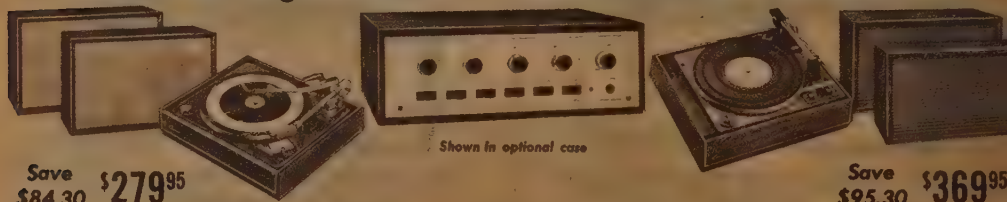
14 B 5009 X. Oiled Walnut Wood Case. Shpg. wt., 6 lbs. 14.95

14 B 5038 X. Brown Metal Case. Shpg. wt., 4 lbs. 6.50

SPECIFICATIONS

Power Output: 75 watts IHF; $37\frac{1}{2}$ watts IHF music power per channel; 22 watts continuous sine-wave (rms) per channel at 4 ohms. **Response:** ± 1 dB, 20-22,000 Hz. **Harmonic Distortion:** less than 1.0%. **Hum & Noise:** -80 dB, tuner; -65 dB, mag. phono. **Sensitivity:** tuner, 0.25 V; tape, 3.5 mV; phono, 4 mV; aux. I, 1.0 V; aux. II, 0.5 V. **Inputs:** magnetic phono, tape head, tuner, aux. I and II, tape monitor. **Outputs:** 4, 8, or 16 ohms; 2 hi-impedance to recorder; low-impedance stereo headphone. **Controls:** bass, treble, balance, loudness/volume, hi-cut and lo-cut, mono/stereo, tape monitor, loudness, speaker main/remote, selector.

Hi-Fi Manager-Selected 75-Watt Stereo Ensembles



Shown in optional case

Save
\$84.30 **\$279⁹⁵**

Save
\$95.30 **\$369⁹⁵**

Money-Saving 75-Watt Stereo Phono Ensemble

Purchased Separately, \$364.25. Includes Knight 75-watt solid-state amplifier, less case above; the new Garrard SL65 Synchro-Lab automatic turntable complete with base and Empire 888E elliptical stereo cartridge; 2 Knight KN-3030A 3-way 12" speaker systems factory assembled, finished in oiled walnut veneer. Cables and plugs.

14 B 0273 D5Z. Shpg. wt., 92 lbs. \$14 Monthly 279.95

Deluxe 75-Watt Phono Stereo Ensemble

Purchased Separately, \$465.25. Includes: KN-975 amplifier, less case above; new Garrard SL75 4-speed automatic turntable with deluxe base and Pickering V15/ATE-3 elliptical stereo cartridge with diamond needle; two Knight KN-2300C full-range speaker systems with assembled enclosures finished in oiled walnut veneer. Cables, plugs.

14 B 0274 D5Z. Shpg. wt., 134 lbs. \$17 Monthly 369.95

Save! Special Purchase of Scott Stereo Amplifier

EXCITING LOW PRICE ON FAMOUS 65-WATT SOLID-STATE AMPLIFIER



Scott 299T Deluxe Stereo Amplifier with All Silicon Transistors

- Superb Scott Quality At a Money-Saving Special-Purchase Price
- Direct-Coupled Transformerless Output for Wide Response
- Tape Head Inputs • Tape Monitor Switch • Scratch Filter
- Dual Clutch-Type Bass, Treble and Loudness Controls

Save
\$20.00

\$149⁹⁵
\$8 monthly

SPECIFICATIONS

Power Output: 32.5 watts IHF (at 4 ohms) per channel; 18 watts rms. **Response:** ± 1 dB, 18-25,000 Hz. **Harmonic Distortion:** 0.8%. **Hum and Noise:** Magnetic Phono, -55 dB. **Power Bandwidth:** 25-20,000 Hz. **Outputs:** 4, 8, or 16 ohms each channel; front-panel stereo headphone jack; tape recording jack. **Equalization Curves:** 2. **Controls:** Tape Monitor; Scratch Filter; Compensator; Loudness; Balance; Balance Switch; Input Selector (Tape Head, Phono, Tuner, Extra); Bass and Treble for each channel; Mode.

Was \$169.95 in Last Year's Catalog. Allied's special purchase makes possible this new, money-saving price on one of Scott's finest solid-state stereo amplifiers. Boasts silicon transistors for amazingly clear stereo hi fi, plus outstanding reliability. Direct-coupled transformerless output circuit delivers 65 watts of power across the full audio spectrum. Preamp has all controls and inputs for plugging in magnetic phono, tape equipment, tuner, more. Has tape monitor switch, scratch filter, mode switch, speakers on-off and loudness compensation switches. Pilot light. Black vinyl finish chassis enclosure, handsome brushed brass front panel. Order case below. Size, $5\frac{1}{2} \times 15\frac{1}{2} \times 12$ " deep. For 110-120 volts, 60 Hz AC. Shpg. wt., 12 lbs.

13 B 2730 U. \$8 Monthly 149.95
13 B 2001 X. Brown Simulated Leather Finish Metal Case, 5 lbs. 11.85
13 B 2002 X. Deluxe Oiled Walnut Wood Case, 6 lbs. 20.82

Stereo Phono Systems Featuring the Scott 299T Amplifier



Save \$64.65
\$259⁶⁰

65-Watt Stereo Phono System

Individual Components Were \$324.25. Enjoy thrilling stereo from top-quality components. Includes the Scott 299T 65-Watt Solid-State Amplifier (order case above); new Garrard Synchro-Lab SL55 Automatic Turntable with Base; new Garrard 808E Elliptical Stereo Cartridge; two Knight KN-3005 3-Way Walnut Speaker Systems with 10" woofer, 6" midrange, $3\frac{1}{2}$ " tweeter. Cables, hi-fi booklet. Wt., 69 lbs.
13 B 0147 DSU. \$13 Monthly 259.60

Deluxe 65-Watt Stereo Phono System

Individual Components Were \$404.25. Connoisseur-quality components for dazzling stereo. Includes Scott 299T 65-Watt Solid-State Amplifier (order case above); new Garrard Synchro-Lab SL65 Automatic Turntable with Base; new Pickering V15/ATE-3 Elliptical Stereo Cartridge; two Knight KN-3030A 3-Way Walnut Speaker Systems with 12" woofer, 6" midrange, $3\frac{1}{2}$ " tweeter. Cables, booklet. 86 lbs.
13 B 0145 DSU. \$16 Monthly 299.00

Save \$105.25
\$299⁰⁰

No Money Down, Up to Two Years to Pay With Allied's Credit Fund Plan

ALLIED 33

Solid-State Stereo Amplifiers

STEREO
AMPLIFIERS

TWO EXCITING MODELS FROM FISHER



120 WATTS
TX-1000 Solid-
State Amplifier

\$297⁴⁶
less
case

\$15 monthly

NEW!

Two New Powerful Per-
formers . . . Famous Fisher
Quality and Features at
Moderate Prices!

65 WATTS
TX-100 Solid-
State Amplifier

\$161⁰⁷
less
case

\$9 monthly

A New TX-1000 120-Watt Stereo Amplifier

Packed with power and value, the TX-1000 is the first high-power solid-state stereo amplifier Fisher has ever offered at such a moderate price. Delivers distortion-free stereo, with full dynamic range. Has clutch-type bass and treble controls; 6-position input selector; main/remote speaker switch; scratch and rumble filters; tape monitoring facilities. Center-channel output. *Power:* 120 watts IHF at 4 ohms; 90 watts at 8 ohms. *Response:* ± 1.5 dB, 20-40,000 Hz. *Outputs:* 4 to 16 ohms; headphones; tape. $4\frac{1}{2} \times 15\frac{1}{2} \times 12\frac{3}{4}$ ". Order case below. For 115 V, 50-60 Hz AC.

13 B 2652 U. Shpg. wt., 27 lbs. \$15 Monthly. 297.46
13 B 2629 X. Oiled Walnut Case. Wt., 6 lbs. 22.45

B New TX-100 65-Watt Stereo Amplifier

Traditional Fisher excellence, plus a full 65 watts of stereo power, make this amplifier an extraordinary value. Total-command control panel for all music sources. Four-position input selector for tape head, phono, tuner, auxiliary. Direct tape monitor switch. Stereo headphone jack; speaker switch; loudness switch; dual-concentric bass and treble controls; scratch filter. *Power:* 65 watts IHF @ 4 ohms, 50 watts @ 8 ohms. *Response:* ± 1 dB, 20-20,000 Hz. *Outputs:* 4 to 16 ohms; headphones; tape. $4\frac{1}{2} \times 15\frac{1}{2} \times 11\frac{3}{4}$ ". 115 V, 50-60 Hz AC. Order case below.

13 B 2649 U. Shpg. wt., 24 lbs. \$9 Monthly. 161.07
13 B 2629 X. Oiled Walnut Wood Case. Wt., 6 lbs. 22.45

ELECTRO-VOICE VALUE-PACKED STEREO AMPLIFIERS



Beautiful Walnut-Finished Case

30
WATTS
\$79⁹⁰

\$5 monthly

E-V 1122 Stereo Amplifier

Priced for value! Excellent performance in a 30-watt all-transistor amplifier that's exquisitely-styled, ultra compact. Just $8\frac{1}{2}$ " deep, it permits maximum versatility in placement. *Inputs:* phono, tuner, aux. *Outputs:* 4 to 16 ohms; stereo headphones; tape recording. *Response:* ± 1.5 dB, 20-20,000 Hz. Two-tone platinum color panel. $4\frac{1}{2} \times 15\frac{1}{2} \times 8\frac{1}{2}$ ". With case. For 110-120 V, 60 Hz AC. 11 lbs.
13 B 2762 X. \$5 Monthly. 79.90

E-V 1244 Stereo Amplifier

You get powerful performance from this handsome, ultra-compact solid-state amplifier. Color-coded volume and selector controls. "Speaker on/mute" switch. *Inputs:* mag. phono, tuner, preamplified tape. *Outputs:* 4-16 ohms, stereo headphones, recording. *Response:* ± 1.5 dB, 20-20,000 Hz. Metal cover, walnut end-panels. $3\frac{3}{8} \times 8\frac{3}{4} \times 10\frac{1}{4}$ ". 110-120 V, 60 Hz AC.
13 B 2766 X. \$6 Monthly 10 lbs. 119.00

65
WATTS
\$119⁰⁰
\$6 monthly

Case Has
Metal Top,
Walnut Finished
End-Panels



All Famous for Superb Performance

FAMOUS H. H. SCOTT STEREO AMPLIFIERS



Shown in wood cases



STEREO AMPLIFIERS

120 WATTS
260B Solid-State Amplifier

\$249⁹⁵
less case

\$13 monthly

NEW!

Tremendous Power Combined
with Cool Operation . . Compact Size . . Reliability . . Realism
. . Deluxe in Every Detail

65 WATTS
299F Solid-State Amplifier

\$169⁹⁵
less case

\$9 monthly

A New 260B 120-Watt Stereo Amplifier

Gives you fingertip command of 120 watts of power, to recreate music with wonderful range and realism. Features transformerless circuits; seven-position selector switch; separate bass and treble controls for each channel; stereo headphone jack. Tape head equalization; selectable phono sensitivity. **Power Output:** 120 watts IHF at 4 ohms, 100 watts at 8 ohms. **Response:** ± 1 dB, 15-30,000 Hz. **Outputs:** 4 to 16 ohms; headphones; tape. $5\frac{1}{4} \times 15\frac{1}{2} \times 13\frac{1}{4}$ ". 115 V, 50-60 Hz AC. Order case below.

13 B 2732 U. Shpg. wt., 21 lbs. **\$13 Monthly** 249.95
13 B 2001 X. Metal Case. Leather-like finish. 5 lbs. 11.85
13 B 2002 X. Oiled Walnut Wood Case. Wt., 6 lbs. 20.82

B New 299F 65-Watt Stereo Amplifier

Offers all the advantages of Scott solid-state circuits at surprisingly modest cost. Gives you all controls and facilities for complete enjoyment of both stereo and mono sources. Direct-coupled output stage—no transformers to mar tonal beauty. You hear strikingly clear and pure sound. Stereo headphone jack. **Power Output:** 65 watts IHF at 4 ohms. **Response:** ± 1 dB, 18-25,000 Hz. **Harmonic Distortion:** 0.8%. With chassis enclosure. Order case below. $5\frac{1}{4} \times 15\frac{1}{2} \times 12$ ". For 110-120 volts, 60 Hz AC.

13 B 2737 U. **\$9 Monthly** Shpg. wt., 12 lbs. 169.95
13 B 2001 X. Metal Case. Leather-like finish. 5 lbs. 11.85
13 B 2002 X. Oiled Walnut Wood Case. Wt., 6 lbs. 20.82

SHERWOOD DELUXE STEREO AMPLIFIERS

New 140-Watt S-9900 Amplifier

Reproduces even the most powerful symphonic passages with spectacular realism. *Silicon* transistors and diodes throughout. Switches for two separate sets of stereo speakers; complete input facilities. **IHF Power:** 140 watts @ 4 ohms. **Response:** ± 1 dB, 20-20,000 Hz at 40 watts. **Harmonic Distortion:** 0.4%. Case below. $4 \times 14 \times 10\frac{1}{2}$ ". 110-120 V, 60 Hz AC.

13 B 2418 U. 21 lbs. **\$12 Monthly** 229.50
13 B 2401 X. Walnut-Grained Case. 5 lbs. 7.50

New S-9500 70-Watt Amplifier

Beautifully clean reproduction of even the loudest orchestral passages. *Silicon* transistors for freedom from distortion. Full array of controls and inputs. **Power:** 70 watts IHF at 4 ohms. **Response:** ± 1 dB, 12-35,000 Hz. **Harmonic Distortion:** 0.4%. Case below. $4 \times 14 \times 10$ ". 115-125 V, 60 Hz AC.

13 B 2421 U. Wt., 19 lbs. **\$9 Monthly** 179.50
13 B 2401 X. Walnut-Grained Case. 5 lbs. 7.50

140
WATTS
\$229⁵⁰

less case
\$12 monthly



Big-Value
High-Power Amplifier

Feature-Packed—Moderate Price



70
WATTS
\$179⁵⁰

less case
\$9 monthly

Fine Quality Solid-State Amplifiers

STEREO
AMPLIFIERS

NEW STEREO AMPLIFIERS FOR AUDIO PERFECTIONISTS



NEW!

C/M Laboratories' CC-50S 100-Watt Stereo Amplifier

\$387⁰⁰
less
case

\$18 monthly

- Power-Plus—400 Watts Instantaneous Peak Output
- Less Than 0.5% Harmonic and Intermodulation Distortion
- Fulfills the Highest Professional Standards

Superlative solid-state quality for the most demanding music lovers. Delivers hi-fi stereo with dazzling power and realism. Pushbutton input switches for phono, tape head, tuner, tape monitor, and aux. Mode switch selects stereo, reverse, mono, right and left. Volume, balance, bass and treble controls. Loudness switch with indicator light. Headphone jack. *Output:* 100 watts rms at 8 ohms. *Response:* ± 0.5 dB, 20-20,000 Hz at rated output. Brushed gold and brown panel. For 120 VAC, 6x17x13". Order case below.

13 B 2402 U. Shpg. wt., 40 lbs. \$18 Monthly.....387.00
13 B 2405 X. Oiled Walnut Wood Case. Shpg. wt., 15 lbs.....24.00

Sony TA-1120 Amplifier

NEW!



120 Watts IHF Power

\$399⁵⁰
less
case

\$18 monthly

- All Silicon Transistors
- Stepped Bass, Treble
- SCR-Protected Output

Highly-advanced all-silicon-transistor circuit delivers remarkably pure stereo sound. Lever switches for power, filters, tape monitor, tuner/phono function, tone control defeat. *Output:* 100 watts rms at 8 ohms. *Response:* ± 0.1 dB, 10-100,000 Hz. *Harm. Dist.:* under 0.1%. *Inputs:* mike, tape head, phono, aux. 5 $\frac{3}{4}$ x15 $\frac{3}{4}$ x12 $\frac{1}{4}$ ". In metal enclosure. Walnut case below. For 115 VAC, Japan. 28 lbs.

13 B 2227 U. \$18 Monthly.....399.50
13 B 2226 X. Walnut Case. 6 lbs.....24.50

Magnificent Solid-State Stereo Components by Marantz



Model 7T Stereo Preamp

\$325⁰⁰
less
case

\$16 monthly

- A Masterpiece of Audio Craftsmanship
- Tremendous Dynamic Range and Response
- Complete Control and Input Facilities

A thoroughly deluxe, no-compromise stereo preamp designed and built with the connoisseur in mind. Perfect control center for the Model 15 basic amplifier, at right. Has 9 pairs of inputs, 4 pairs of outputs, 8-position selector switch, 5-position mode control. Tape play/copy switch. Center channel output. Precision-tracking volume control, balance, high and low filters, output level adjustment for high or low efficiency speakers, tape head equalizer adjustment. *Response:* ± 0.1 dB, 20-20,000 Hz. *IM Distortion:* 0.15%. Size, 5 $\frac{3}{4}$ x15 $\frac{3}{4}$ x8 $\frac{1}{2}$ ". Case below. For 110-120 volts, 50-60 Hz AC. Shpg. wt., 15 lbs.

13 B 2280 U. \$16 Monthly.....325.00
13 B 2270 X. Deluxe Oiled Walnut Case. Wt., 9 lbs.....24.50



Model 15 120-Watt Stereo Basic Amplifier

\$395⁰⁰
less
case

\$18 monthly

- All-Silicon-Transistor Circuit
- Harmonic Distortion Only 0.03%
- Separate Power Supply for Each Channel

Has every feature for finest hi-fi stereo. Use with the Model 7T preamp at left and enjoy stereo of unparalleled realism. Offers the utmost in reliability and performance. All-silicon-transistor basic amplifier develops 60 watts per channel rms (at 8 ohms) with a total harmonic distortion of only .03% across a range of 20-20,000 Hz... even less at lower levels. Has separate power supplies for each channel for full isolation and stability. Output transistors protected by safety circuit. Damping is 40 at 4 ohms, 80 at 8 ohms. Brushed finished panel. For 110-120 volts, 60 Hz AC. 5 $\frac{3}{4}$ x15 $\frac{3}{4}$ x7". Shipped express. 35 lbs.

13 B 2282 Z. \$18 Monthly.....395.00
13 B 2434 X. Deluxe Oiled Walnut Case. Wt., 9 lbs.....29.50

Latest Solid-State Stereo Amplifiers

STEREO
AMPLIFIERS



ACOUSTECH IA

500 Watts of
Music Power!

FREE HEADPHONES

\$24.95 Value. Certificate
for Koss SP3XC Headphones
with Both the IA and VI.

NEW!

Acoustech IA 500-Watt Stereo Basic Amplifier

- Silicon Output Transistors
- Free Koss Stereo Headphones

\$395⁰⁰

Delivers tremendous half-kilowatt of IHF power at 4 ohms. Uses four silicon output transistors per channel in direct coupled circuit—no output transistors or coupling capacitors to reduce frequency response or power bandwidth. Two front panel stereo headphone jacks. Separate power supply for each channel. Has power on/off switch; speaker selector switch for main, extension, or both. *Response:* ± 3 dB, 1.5-200,000 Hz. *Hum and Noise:* 90 dB below rated output. *IM Distortion:* under 0.15% measured at 200 watts output, 4 or 8 ohms. *Harmonic Distortion:* under 0.45%. *Power Bandwidth:* 8-25,000 Hz. *Input Sensitivity:* 1.5 volts. Can be used with tube-type or solid-state preamps. Black metal cover. 5x15x10". For 117 V. 60 Hz AC. 30 lbs. With certificate for free Koss SP3XC stereo headphones.

13 B 2411 U. \$18 Monthly..... 395.00



NEW!

Acoustech VI Solid-State Stereo Preamp

\$249⁰⁰

\$13
monthly

- Front-Panel Tape Recorder Jack
- All-Silicon-Transistor Circuit
- Free Koss SP3XC Stereo Headphones

Perfect mate for the IA Basic Amplifier at left. Precision, stepped tone controls. Center channel output. Pushbuttons for tape monitor, compensation, muting, power. Three low-, three high-level inputs. Balance control. *Response:* ± 1 dB, 3-300,000 Hz. *Harmonic Distortion:* 0.10%. Includes black metal cover. 5x15 $\frac{1}{4}$ x8". For 117 V AC. With certificate for free Koss SP3XC headphones.

13 B 2415 U. Shpg. wt., 14 lbs. \$18 Monthly..... 249.00



Shown in wood case. BOGEN

TA-100 60-Watt Stereo Amplifier

\$110⁴⁵

\$6 monthly

- All-Silicon Transistor Circuit
- Wide-Range Reproduction
- With Walnut-Finish Metal Case

Superb sound and deluxe features at a moderate price. Efficient subsonic filter to cut power waste. Has balance, loudness, bass and treble controls; selector and mode switches. *IHF Output:* 60 watts at 4 ohms. *Response:* ± 1 dB, 20-20,000 Hz. *Harmonic Distortion:* under 1.0%. *Inputs:* mag. phono; tape; tuner; aux. *Outputs:* 4-16 ohms; stereo headphones; recording. With metal case. Optional wood case below. 3 $\frac{1}{2}$ x15x11 $\frac{1}{4}$ ". 117 VAC.

13 B 2508 X. Wt., 10 lbs. \$6 Monthly..... 110.45

13 B 2511 X. WE-17 Oiled Walnut Wood Case. Shpg. wt., 7 lbs. 21.20



NEW!

Martel RA-800 120-Watt Amplifier

\$149⁹⁵

\$8 monthly

- Silicon Transistors for Excellent Sound
- Handy Positive-Action Rocker Switches
- Transformerless Output • Stereo Headphone Jack

Superb-sounding solid-state stereo amplifier offers marvelous performance at a surprisingly low price. Delivers 120 watts of IHF power. Transformerless output circuit provides impressive full-range sound. Frequency response is smooth from 20 to 50,000 Hz! Fused outputs and massive heat sinks protect power transistors. Controls include: scratch and rumble filters, loudness switch, separate bass and treble for each channel. Has both high and low level phono inputs; speaker outputs; stereo headphone jack. 5x13 $\frac{1}{2}$ x8 $\frac{1}{2}$ ". Complete with metal case. For 110-120 volts, 60 Hz AC. From Japan. Shpg. wt., 24 lbs.

13 B 2038 U. \$8 Monthly..... 149.95

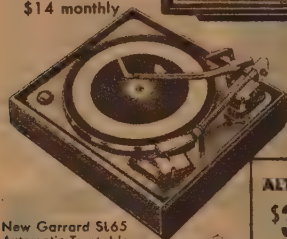
Look to Allied for the Finest Names in Stereo High-Fidelity

ALLIED 37



Money-Saving Solid-State Stereo Systems Specially Selected by Our Hi-Fi Manager

Save \$60.42
\$279⁵⁰ less amp. case
\$14 monthly



New Garrard SL65 Automatic Turntable with Shure M44E Cartridge



65-Watt Fisher TX-100 Stereo System

Separately, \$339.92. First-rate performance from top-name stereo components. All-new Fisher TX-100 Solid-State 65-Watt Stereo Amplifier delivers outstanding music reproduction and control versatility. Excellent response ± 1 dB, 20-25,000 Hz. Order walnut case below. New Garrard SL65 4-Speed Automatic Turntable with base, manual or automatic operation, precise Synchro-Lab motor. Shure's M44E 15" Stereo Elliptical Cartridge with 20-20,000 Hz response gives smooth, natural reproduction. Two Knight KN-3005 3-Way Walnut Speaker Systems have 10" woofer, 6" midrange, and $3\frac{1}{2}$ " tweeter. With cables and hi-fi booklet. Shpg. wt., 83 lbs.
13 B 0127 D5U. \$14 Monthly. **279.50**
13 B 2629 X. Walnut Amplifier Case. 9 lbs. 22.45

ALTERNATE SYSTEM

\$309⁵⁰ Save \$80.42
KN-3030A 12" Speaker Systems



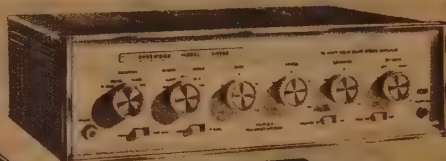
Alternate System

Separately, \$389.92. As above, but with two KN-3030A 3-way 12" speaker systems. 12" woofer, 6" midrange, $3\frac{1}{2}$ " tweeter.
13 B 0137 D5U. 98 lbs. \$15 Monthly. **309.50**

Save \$125.30
\$379⁵⁰ less amp. case
\$18 monthly



New Garrard SL75 with Pickering XV15/AME Stereo Elliptical Cartridge



New Sherwood 140-Watt System

Separately, \$504.80. Thrilling stereo music reproduction makes this fine quality component system worthy of the most critical audiophile. New Sherwood S-9900 Solid-State 140-Watt Stereo Amplifier delivers powerful, distortion-free sound for exceptionally vivid stereo realism. Case below. New Deluxe Garrard SL75 Automatic Turntable with custom-mount base. Pickering's superb new XV15/AME Stereo Elliptical Cartridge gives wide range response. Two Knight KN-3030A 3-Way Walnut Speaker Systems have 12" woofer, 6" midrange and $3\frac{1}{2}$ " tweeter. With cables, hi-fi booklet. Shpg. wt., 95 lbs.
13 B 0139 D5U. \$18 Monthly. **379.50**
13 B 2401 X. Metal Amplifier Case. Walnut grained leatherette. Shpg. wt., 5 lbs. 7.50

ALTERNATE SYSTEM

\$409⁵⁰ Save \$135.30
System with Deluxe KN-2260 12" Speaker Systems



Alternate System

Separately, \$544.80. As above, but with two deluxe KN-2260 3-way speaker systems. Big 12" woofer, 8" midrange, horn tweeter.
13 B 0141 D5U. 119 lbs. \$19 Monthly. **409.50**

Save \$116.25
\$469⁰⁰ less amp. case
\$20 monthly



New Garrard SL95 With Empire's New 888TE Stereo Elliptical Cartridge



New Scott 260B 120-Watt System

Separately, \$585.25. A magnificent component stereo system featuring latest version of the famous Scott 260. New Scott 260B Solid-State 120-Watt Stereo Amplifier offers you total command facilities of every stereo music source. Order case below. New Garrard SL95 Automatic Turntable with base. Empire 888TE Stereo Elliptical Cartridge has ultra-high compliance, and wide frequency response. Two Knight KN-2260 3-Way Walnut Speaker Systems feature 12" woofer, 8" midrange and horn tweeter. Includes all cables, hi-fi booklet. Shpg. wt., 119 lbs.
13 B 0143 D5U. \$20 Monthly. **469.00**
13 B 2002 X. Walnut Amplifier Case. 6 lbs. 20.82
13 B 2001 X. Metal Amplifier Case. 5 lbs. 11.85

ALTERNATE SYSTEM

\$514⁰⁰ Save \$121.25
KN-2350B Acoustic-Suspension 12" Speaker Systems



Alternate System

Separately, \$635.25. As above with two KN-2350B speaker systems—12" woofer compression midrange and tweeter horns. 137 lbs.
13 B 0148 D5U. \$22 Monthly. **514.00**

World's Finest Selection of Stereo Tuners

4 PAGES OF FAMOUS-NAME TUNERS INCLUDING ALLIED-KNIGHT

Enjoy a new source of stereo—add an FM Tuner to your music system. Stereo-FM offers something for every musical taste, from classics to jazz—with the same stereo realism you get from records or tape. Many tuners receive AM too. All include cables that plug into any stereo amplifier.

- Choose from Most Popular Brands in Hi-Fi
- All Models Receive Both Stereo and Monaural FM, Many Receive AM Also
- All Are Crafted to True Hi-Fi Standards
- Prices for Every Budget—No Money Down

Allied-Knight World-Famous Stereo FM-AM Tuners

KN-265B Solid-State Stereo FM-AM Tuner

\$149⁹⁵
less
cash

\$8 monthly



Shown in walnut case

KN-265B SPECIFICATIONS

FM SECTION. *FM Sensitivity:* 2 μ V for 30 dB quieting; 3 μ V 1HF. *FM Response:* $\pm 1/2$ dB, 20-25,000 Hz. *FM Bandwidth:* 300 kHz. *FM Distortion:* 0.5% at 100% modulation. *Channel Separation:* 30 dB. *Hum and Noise:* 58 dB below 100% modulation. **AM SECTION.** *AM Sensitivity:* 5 μ V for 20 dB signal-to-noise ratio. **OVERALL.** *Stereo Outputs:* 2 low-impedance for amplifier; 2 high-impedance for recorder. *Antennas:* FM, 50- and 300-ohm inputs; AM, loopstick; external input. *Power Supply:* Filtered, low drain; for 110-127 V, 50-60 Hz AC.

Allied-Knight's finest tuner brings you stereo-FM reception rivaling the realism of the original performance. Outstanding monaural FM-AM too. Solid-state circuit for long-lasting reliability. Signal-strength meter lets you tune all stations perfectly, in seconds. Stereo indicator light. Dynamic Sideband Regulation cuts distortion if FM station overmodulates. AFC locks in FM stations, prevents drift. Three-section tuned RF stage, four IF/limiter stages and a wideband ratio detector for static-free stereo FM even in fringe areas. No compromises in the AM circuit either—separate tuned RF stage, plus 10-kHz filter, pull in weak stations without "whistles." Smooth flywheel-weighted tuning. 17 transistors, 8 diodes, rectifier. With twin-lead FM antenna, built-in AM antenna. $4\frac{1}{2} \times 13\frac{3}{4} \times 12"$. Order case below. For 110-127 V, 50-60 Hz AC. Shpg. wt., 14 lbs.

14 B 5507 U. \$8 Monthly.....149.95
14 B 5009 X. Oiled Walnut Wood Case. Shpg. wt., 6 lbs.....14.95
14 B 5038 X. Cordovan Brown Metal Case. Shpg. wt., 4 lbs.....6.50

Low-Cost KNI-285 Stereo FM-AM Tuner

\$79⁹⁵
With
Metal Case

\$5 monthly



Shown in walnut case

KNI-285 SPECIFICATIONS

FM SECTION. *FM Sensitivity:* 2.5 μ V for 20 dB quieting. *FM Response:* ± 1 dB, 20-20,000 Hz. *FM Distortion:* 1% at 100% modulation. *Channel Separation:* better than 30 dB. *Image Rejection:* better than 30 dB. *Internally shielded for hum-free operation.* **AM SECTION.** *AM Sensitivity:* 8 μ V for 20-dB signal-to-noise. *Antennas:* FM dipole; AM built-in ferrite rod.

Offers many features usually reserved for higher-priced tuners. Stable time-switching multiplex circuit provides excellent FM stereo with good channel separation. Flywheel-weighted tuning, slide-rule dial and tuning meter for accurate station selection. Stereo indicator light. Three IF stages with limiter and ratio detector for pure stereo sound. AFC eliminates drift. Sensitive mono FM and AM reception. Sierra gold extruded aluminum front panel; perfect mate to KNI-935 amplifier, page 30. $4\frac{3}{4} \times 13\frac{3}{4} \times 9\frac{3}{4}"$. With brown metal case (order walnut case below). For 110-127 volts, 60-Hz AC. Made in Japan to Allied's specifications.

14 B 5526 U. \$5 Monthly. Shpg. wt., 20 lbs.....79.95
14 B 5005 X. Oiled Walnut Wood Case. Wt., 5 lbs.....12.95

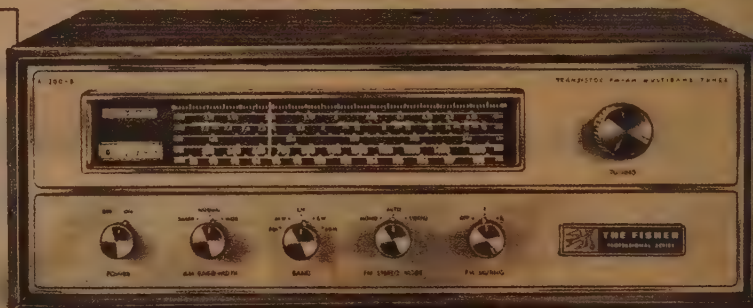
See Pages 30 and 32 for Matching Allied-Knight Stereo Amplifiers

ALLIED 39

Custom-Quality Stereo Tuners

STEREO TUNERS

Fisher R-200B Stereo FM-AM-LW-SW Tuner



\$297⁰⁸
less
case
\$15 monthly

- Exciting Coverage—AM, Stereo FM, Longwave, Shortwave
- Tuned RF, AGC and Bandwidth Selector for Outstanding SW
- Sensitive FM with Muting for Silence Between Stations
- Stereo Beacon and Automatic Stereo Switching • Tuning Meter

Here's the first tuner with "the big plus"—tunes flawless stereo and mono FM, AM, *plus* shortwave and longwave comparable to quality of communications gear. Nuvistors plus solid-state circuit.

Covers standard FM and AM bands, 150-350 kHz longwave, two shortwave bands—5.9 to 6.3 MHz and 7-16.5 MHz. FM circuit with stereo separation of 35 dB offers thrilling stereo realism.

Three-gang tuning capacitor and tuned RF stage on AM for extra-sensitive reception of AM, SW and LW. AGC acting on three AM stages minimizes effects of fading, important on shortwave.

AM has a three-position bandwidth selector to match all possible receiving conditions. Has a 10-kHz whistle filter to cut adjacent-station interference. Meter for precise tuning on all bands.

Built-in antenna for standard AM broadcast and longwave band has shield to help prevent interference from fluorescent lamps and other sources. Terminals for external shortwave wire antenna.

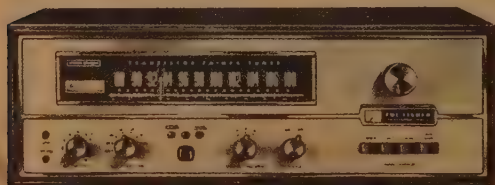
Size, 4 1/8 x 15 1/8 x 13". Order case below. For 100-135 volts, 200-250 volts, 50-60 Hz AC. Shpg. wt., 23 lbs.

13 B 2646 U. \$15 Monthly. **297.08**
13 B 2629 X. Walnut Case. 6 lbs. **22.45**

SUPERB SOLID-STATE STEREO FM, AM SHORTWAVE AND LONGWAVE

Not only does the R-200B provide sensitive FM and wideband AM reception, it also offers world-wide shortwave coverage comparable to specialized communications receivers, and excellent longwave reception, too.

Fisher Solid-State TFM-1000 Stereo FM Tuner for the Connoisseur



\$424⁵⁸
less
case
\$19 monthly

- Field-Effect-Transistor Front End
- 5 Wideband IF Stages, 4 Limiters
- Clear-Signal Indicator • Stereo Beacon

Fisher's finest tuner, with latest circuit design that assures magnificent performance. Front end boasts *six* tuned circuits, with latest Field-Effect silicon transistors. Wideband *five-stage* IF amplifier and 4 limiters, plus AGC. Response, 25-15,000 Hz. 1HF FM sensitivity, 1.8 μ V for 30 dB quieting. Capture ratio, 0.6 dB. Separation, 40 dB. Includes outputs for 600-ohm line, recorder, headphones. 5 1/8 x 16 1/4 x 12". Order case below. For 105-125 volts, 50-60 Hz AC.
13 B 2647 U. Shpg. wt., 24 lbs. \$19 Monthly. **424.58**
13 B 2633 X. Oiled Walnut Wood Case. 9 lbs. **22.45**

Marantz 10B Stereo FM Tuner For Unrivalled Performance



\$750⁰⁰
less
case
\$31 monthly

- Tuning Oscilloscope
- 39 Semiconductors, 21 Tubes
- Automatic Stereo Switching

More than a tuner, the 10B is a precision instrument that pulls in stereo FM with unparalleled fidelity. Built-in 3" oscilloscope acts as multipath-tuning indicator for *perfect* antenna adjustment and tuning. Six IF's, 9 limiters. IF alignment unaffected by tube changes or normal aging. Between-station muting. Separation, 45 dB. 5 3/4 x 15 1/8 x 14 1/4". Case below. For 105-125 V, 50-60 Hz AC.
13 B 2273 U. Wt., 43 lbs. \$31 Monthly. **750.00**
13 B 2274 X. Walnut Wood Case, Wt., 10 lbs. **37.00**

New Solid-State Stereo Tuners

STEREO
TUNERS



H. H. SCOTT TUNERS WITH NEW
INTEGRATED CIRCUIT IF STAGE

Shown in
wood cases

NEW!

\$169⁹⁵
less
case
\$9 monthly

NEW!

\$269⁹⁵
less
case
\$14 monthly



A 315B Solid-State Stereo FM Tuner

Advanced-design stereo FM tuner boasts Field-Effect transistors in silver-plated front end for amazing sensitivity and freedom from drift, plus integrated-circuit IF amplifier for super-selectivity and lifetime stability. Stereo indicator, automatic stereo-mono switching. Precision signal-strength meter. Switchable filter cuts out noise on weak stereo stations. Taping outputs. IHF Sensitivity: 1.5 μ V. Separation: 40 dB. Signal/Noise Ratio: 60 dB. Black cover. $5\frac{1}{4} \times 15\frac{1}{2} \times 9$ ". Case optional; takes 312D cases at right. For 110-120 VAC. 14 lbs.

13 B 2715 U. \$9 Monthly. 169.95

B 312D Deluxe Solid-State Stereo FM Tuner

Scott's finest tuner has important innovations for superb performance. Integrated Circuit IF strip for long-term reliability. Exclusive silver-plated front end with Field-Effect transistors for stable tuning regardless of signal strength. Signal strength/multipath indicator. Output for oscilloscope monitoring of multipath signals. Interstation muting. Pushbutton switches. Stereo indicator light and automatic stereo/mono switching. Tape recording output. Sensitivity: 1.8 μ V. Signal-to-Noise Ratio: 65 dB. Separation: 42 dB. Case below. $5\frac{1}{4} \times 15\frac{1}{2} \times 13\frac{1}{4}$ ". 110-120 VAC.

13 B 2712 U. Shpg. wt., 13 lbs. \$14 Monthly. 269.95
13 B 2002 X. Oiled Walnut Wood Case. Shpg. wt., 6 lbs. 20.82
13 B 2001 X. Brown Metal Case. Shpg. wt., 5 lbs. 11.85

DELUXE ALL-SILICON-TRANSISTOR TUNERS By SHERWOOD



S-2300 Solid-State FM-AM Stereo Tuner

\$209⁵⁰
less
case
\$11 monthly

- Field-Effect Transistor Front End
- Zero-Center FM Tuning Meter
- Unique Amplified Dual-AGC System

Luxuriously-styled tuner with famous Sherwood circuit design for exceptional FM and AM performance. Field-Effect transistor front end. Automatic stereo/mono switching. Stereo indicator light, FM inter-channel hush, stereo noise filter. Smooth rocker-action switches. FM Sensitivity (IHF): 1.8 μ V for 30 dB quieting. AM Sensitivity: 2 μ V for 0.5 V output. Chan. Sep.: 40 dB. Capture Ratio: 2.2 dB. FM Cross-Modulation Rejection: 95 dB. $14 \times 4 \times 10\frac{1}{2}$ ". Case below. For 110-120 VAC.

13 B 2480 U. Shpg. wt., 13 lbs. \$11 Monthly. 209.50
13 B 2401 X. Leatherette-Covered Metal Case. Wt., 5 lbs. 7.50

S-3300 Solid-State Stereo FM Tuner

\$177⁵⁰
less
case
\$9 monthly

- Field-Effect Transistor Front End
- Automatic Stereo/Mono Switching
- Switch for Inter-Channel Hush

Professional features and performance at a moderate price. Silicon Field-Effect transistors in front end for outstanding reception. Zero-center meter for fast, accurate tuning. Stereo indicator light plus automatic stereo/mono switching. Inter-channel hush for noise-free tuning. Front-panel rocker-action switches. Stereo noise filter. IHF Sensitivity: 1.8 μ V for 30 dB quieting. Channel Separation: 40 dB. Capture Ratio: 2.2 dB. Cross-Modulation Rejection: 95 dB. $14 \times 4 \times 10\frac{1}{2}$ ". Case optional; uses same case as S-2300 at left. For 110-120 volts, 60-60 Hz AC. Wt., 10 lbs.

13 B 2485 U. \$9 Monthly. 177.50

Enjoy the Superior Sound of Component Stereo

ALLIED 41

**STEREO
TUNERS**

Latest Solid-State Stereo Tuners

VALUE-PACKED HI-FI TUNERS BY ELECTRO-VOICE



1159 Stereo FM Tuner
with Walnut-Finished Wood Case



1255 Stereo FM

\$136.00

\$7 monthly



1256 Stereo FM-AM

\$165.75

\$9 monthly

New Sony 5000 Stereo FM Tuner



With Unique
New CdS RF
Attenuator

\$399.50

\$18 monthly

Superb tuner offers deluxe, advanced circuit—with 45 transistors and 30 diodes. Delivers spectacular stereo FM reception for the exacting listener. Cadmium-sulphide attenuator assures constant-level input to front end, for distortion-free stereo even in strongest signal areas. Five-gang tuning capacitor for 90-dB image rejection. Eight IF stages. Automatic switching, 2 tuning meters. $5\frac{3}{4} \times 15\frac{3}{4} \times 12\frac{1}{4}$ ". Case below. 117 VAC. See new TA1120 amplifier on pg. 36.

13 B 2224 U. Shpg. wt., 20 lbs. **\$18 Monthly**.....399.50

13 B 2226 X. TAC-1 Walnut Case. Shpg. wt., 6 lbs.24.50

1159 Low-Cost Stereo FM Tuner

\$79.90

\$5 monthly

- Automatic Switching
- Precision Tuning Meter
- Stereo Indicator Light

A leader in style and performance, yet priced to please any budget. Latest solid-state circuit for stereo realism to please the critical listener. Perfect companion for E-V 1122 Amplifier on page 34. Complete set of control facilities for: tuning, power on/off, stereo/mono. Large, easy-view dial. Features automatic stereo/mono switching, tuning meter for perfect tuning, and stereo indicator light. *Sensitivity:* $3 \mu\text{V}$ for 30 dB quieting. *Hum & Noise:* -55 dB. *Total Harmonic Distortion:* 2.5%. Housed in exquisite walnut finished case. $4\frac{1}{4} \times 15\frac{3}{4} \times 8\frac{1}{4}$ ". For 110-120 V, 60 Hz AC. Shpg. wt., 10 lbs.

13 B 2763 X. **\$5 Monthly**.....79.90

New 1255 Stereo FM Tuner

Deluxe solid-state circuit brings you an exceptionally high standard of stereo FM reception. Excellent sensitivity and selectivity. Stereo indicator light; tuning meter; AFC. Complete with compact case with walnut-finished end panels. *IHF Sensitivity:* $2 \mu\text{V}$. *Response:* ± 1 dB, 30-15,000 Hz. *Hum and Noise:* -60 dB. *Harmonic Distortion:* less than 1.0%. $3\frac{3}{8} \times 8\frac{1}{4} \times 10\frac{1}{4}$ ". Perfect companion to E-V 1244 Amplifier on p. 34. 115 V, 60 cycle AC. Shpg. wt., 8 lbs.

13 B 2742 X. **\$7 Monthly**.....136.00

New 1256 Stereo FM-AM Tuner

Features same superb solid-state FM circuit and low-profile styling as Model 1255, plus full-feature AM circuit for rich reception of stations near and far. Case has deluxe walnut-finish end panels. Built-in AM antenna. Shpg. wt., 9 lbs.

13 B 2743 X. **\$9 Monthly**.....165.75

Bogen TT100 Stereo FM-AM Tuner

NEW



\$149.95

\$8 monthly

- All Silicon Transistors
- Reliable Modular Circuit
- Built-in AM/FM Antennas

Newest and best Bogen tuner. Features handsome styling, modular circuit, all silicon transistors for utmost reliability. Automatic stereo/mono switching, stereo indicator light, tuning meter, FM and AM antennas. *Sensitivity:* 2.7 μV . *Response:* ± 1 dB, 50-15,000 Hz. $3\frac{3}{4} \times 15\frac{1}{2} \times 11\frac{3}{4}$ ". 105-130 V, 60 Hz. In metal enclosure; see optional case below. 12 lbs.

13 B 2510 X. **\$8 Monthly**.....149.95

13 B 2511 X. WE-17 Walnut Case. Wt., 7 lbs. 21.20

Exciting Values in Stereo Hi-Fi Kits

Six pages of fun-to-build kits for every budget. Enjoy stereo hi-fi more by "doing it yourself." Clear, easy-to-follow step-by-step instructions make it easy for anyone to assemble these famous kits. And you save money, too. Be sure to also see Allied's complete Knight-Kit line of quality hi-fi kits starting on page 422.



NEW!



LK-60B **LT-112B-1**
\$179⁹⁵ **\$179⁹⁵**
 less case less case
SCOTT
 \$9 monthly \$9 monthly

NEW!

Shown in wood cases



LK-60B 120-Watt Solid-State Amplifier Kit

- Controls and Switches for every Stereo and Mono Source
- Silicon Output Circuit • Output Meter • Tape Head Inputs

Latest version of Scott's famous LK-60 stereo amplifier kit. Enjoy fingertip command of 120 watts of IHF music power. Silicon, transformerless output stages assure wide power bandwidth. Power monitor meter. Stereo headphone jack. Power: 60 watts IHF per channel; 37½ watts per channel rms. Response: ± 1dB, 15-30,000 Hz. Harmonic Distortion: below 0.8%. Inputs: tape head, magnetic phono, aux., tape monitor. Outputs: 4, 8, 16 ohms; tape recording; stereo headphones. 5¼x15½x13¼". Black vinyl-finish chassis enclosure. Order case below. For 105-120 VAC.

13 B 2738 U. Wt., 21 lbs. \$9 Monthly..... **179.95**
 13 B 2001 X. Brown Metal Case. Wt., 5 lbs..... **11.85**
 13 B 2002 X. Oiled Walnut Wood Case. Wt., 6 lbs..... **20.82**

LT-112B-1 Solid-State Stereo FM Tuner Kit

- All Critical Circuits Factory Assembled • FET Front-End
- Special 3-Function Meter Indicates Multipath

Enjoy spectacular stereo FM reception with this latest Scott tuner kit. Features a special three-function meter that shows signal strength, "O center," and multipath (ghosts) to permit perfect antenna setting. Silver-plated front end, all-silicon IF strip, and Scott time-switching multiplex circuit are all factory-assembled. Sensitivity: 1.8 µV. Harmonic Distortion: 0.8% at 100% modulation. Stereo Separation: 40 dB. Cross Modulation Rejection: 80 dB. Signal-to-Noise Ratio: 75 dB. 5¼x15½x13¼". Order case below. For 110-120 VAC. Wt., 13 lbs.

13 B 2035 U. \$9 Monthly..... **179.95**
 13 B 2001 X. Brown Metal Case. Wt., 5 lbs..... **11.85**
 13 B 2002 X. Oiled Walnut Wood Case. Wt., 6 lbs..... **20.82**

Acoustech Solid-State Stereo Components in Kit Form

NEW!



\$249⁰⁰

Superb Stereo FM
 Performance... Big
 Savings in Kit Form

\$13 monthly

New VIII-K Stereo FM Tuner Kit

- Built-in Stereo Headphone Amplifier
- All Critical Circuits Factory-Assembled

A fantastic performer... one of the best stereo FM tuner kits ever offered! Cascade FET front-end for 2-µV sensitivity. DX switch for tuning distant stations, between-station muting, center-channel tuning meter, more. Separation, over 35 dB at 1 kHz. 5x15x10". With certificate for Free headphones. \$249.00

13 B 2412 U. Factory Assembled VIII. With headphone certificate. 15 lbs. \$17 Mo. **349.00**



Save \$24.95

FREE Koss SP3XC Stereo
 Headphones With Model
 VIII-K, VIII, XII and XI



XII or XI Basic Amplifier with P/M
 Optional Preamp Module Installed

Basic Amplifier without
 P/M Preamp Module

Model XII 200-Watt Solid-State Stereo Basic Amplifier Kit

- Deluxe Transformerless Output Circuit
- Accepts Optional Preamplifier Module Kit

\$159⁵⁰ \$8 monthly

Connoisseur quality! Develops 200 watts of distortionless IHF power at 4 ohms, over 100 watts rms at 8 ohms. Converts to integrated amplifier with P/M Preamp Module below, but works well with other solid-state or tube-type preamps. 5-75,000 Hz, -1 dB. 5x15x10". 115/220 VAC. 13 B 2230 U. 21 lbs. With Headphones Certificate, \$8 Monthly..... **159.50**
 13 B 2225 U. Model XI 140-Watt Stereo Basic Amplifier Kit. As above, but less power output. With headphones certificate. Wt., 17 lbs..... **129.50**
 13 B 2231 U. Model P/M Solid-State Preamp Module Kit. Builds into XII or XI, above, for a complete stereo amplifier with controls and inputs for all sources. Gold anodized panel. Wt., 5 lbs. \$5 Monthly..... **89.50**

Famous Dynakit Stereo Components

STEREO
KITS

PERFECTIONIST-QUALITY SOLID-STATE AMPLIFIER



"Stereo 120"
120-Watt

Basic Amplifier Kit

Kit	Assembled
\$159⁹⁵	\$199⁹⁵
\$8 monthly	\$10 monthly

HAS ALL THESE PREMIUM FEATURES

- Boasts 60 Watts of Sustained rms Power Output per Channel
- All Silicon Transistors for Stability and Reliability
- Deluxe Zener-Diode Regulated Power Supply
- Electronically Protected to Safeguard Transistors and Speakers
- Unique Bias Circuit Never Needs Adjustment

This is the solid-state stereo basic amplifier that thousands of music lovers have waited for. It features the latest advancements in circuitry. Twenty-eight semiconductors deliver magnificent stereo sound with complete freedom from coloration. Continuous power rating is 60 watts rms on each channel at 4 or 8 ohms. Even at frequency extremes, amplifier maintains freedom from distortion and a flat power curve.

There are no interstage or output transformers to restrict frequency response. All silicon transistors are used throughout for utmost stability and reliability. Has designed-in electronic protection against damage to transistors caused by inadvertent opening or shorting of speaker leads. Requires no adjustments of any kind—bias is completely self-adjusting. Oversize power transformer and fully-regulated power supply.

Response: ± 0.5 dB, 5-100,000 Hz. Harmonic Distortion: less than 0.5%. IM Distortion: less than 0.5%. Noise: 95 dB down. Output Impedance: matches 4 to 16 ohms. Use with PAT-4 or PAS-3X preamp, below. Heavy-gauge plated chassis with metal cover. Size, 4x13x10 $\frac{1}{2}$ ". For 120/240 volts, 50-60 Hz AC. Shpg. wt., 20 lbs.

13 B 2233 U. Kit Form. \$8 Monthly..... 159.95
13 B 2234 U. Factory Assembled. \$10 Monthly..... 199.95



PAT-4 Solid-State Stereo Preamp Kit

Kit Form	
\$89⁹⁵	• Silicon Transistors for Complete Stability
\$5 monthly	• Extremely Wide Response—5-100,000 Hz
	• Front-Panel Input for Guitar or Recorder
	• Lo-Filter plus Four-Position High-Filter

Complete control center for all stereo sources and functions. Designed as a mate for "Stereo 120" or any other Dynakit basic amplifier. All silicon-transistor design for top stability. Positive action rocker switches control loudness, power, tape monitor, lo-filter, dual modes. Four-position hi-filter: 7 kHz, 10 kHz, 15 kHz, and flat. Also has six-position selector switch, volume, balance, bass and treble controls for each channel. Inputs for high and low-level phono cartridges, tape head, tuner, tape recorder. Frequency response: ± 0.5 dB, 5-100,000 Hz. Size, 4x13x8". For 120/240 V., 50-60 Hz AC. Shpg. wt., 11 lbs.

13 B 2235 X. Kit Form. \$5 Monthly..... 89.95
13 B 2241 X. Factory Assembled. \$7 Monthly..... 129.95



Famous PAS-3X Stereo Preamplifier Kit

Kit Form	
\$69⁹⁵	• Unmeasurable Harmonic Distortion
\$5 monthly	• DC on Filaments to Prevent Hum
	• Variable Channel Separation
	• Tape Monitor • Critical Circuits Prewired

Most advanced model in the superb PAS Series. Complete control facilities. Ideal for the "Stereo 70," "Stereo 120" or any quality basic amplifier. All critical circuitry is prewired. Variable channel separation. Unique tone control circuit—in "O" position, circuit is disabled for absolutely flat response. Has tape monitor, loudness, scratch filter, and power switches. Selector switch, volume and balance controls; bass and treble for each channel. Inputs for phono, tape head, tuner, recorder. ± 0.5 dB, 10-40,000 Hz. 5 tubes plus rectifier. 4x13x8". Satin-tone extruded front panel. For 110-120 v., 50-60 Hz AC. Wt., 11 lbs.

13 B 2242 X. Kit Form. \$5 Monthly..... 69.95
13 B 2236 X. Factory Assembled. \$6 Monthly..... 109.95

.. Fun-to-Build Kit Form or Assembled

STEREO
KITS

RENOWNED DYNAKIT TUBE-TYPE STEREO COMPONENTS

"Stereo 70" 70-Watt Basic Amplifier

Kit	\$5	Assembled	\$7	• 90 Watts IHF
\$99.95	monthly	\$129.95	monthly	• ± 0.5 dB, 10-40,000 Hz

This basic amplifier is famous among critical music lovers because of its wide response and remarkable purity of sound. **Power:** 90 watts IHF; 70 watts continuous. **Response:** ± 0.5 dB, 10-40,000 Hz. **IM Distortion:** less than 1% at full power. **Hum & Noise:** over 90 dB below full output. **Outputs:** 4 to 16 ohms. $6\frac{1}{2} \times 9\frac{1}{2} \times 13$ ". With brown cover. For 110-120 volts, 50-60 Hz AC. Four EL34 output tubes. Shpg. wt., 31 lbs.

13 B 2237 U. Kit Form. \$5 Monthly. **99.95**
13 B 2238 U. Factory Assembled. \$7 Monthly. **129.95**



Dynakit Basics
Are Engineered to
Please the Most
Discerning Audio-
phile

"Stereo 35" 35-Watt Basic Amplifier Kit

Similar to above, except 45 watts IHF, 35 watts cont. ± 1 dB, 10-40,000 Hz. 8, 16 ohms. With cover. $4\frac{1}{2} \times 13$ ". 110-120 V., 50-60 Hz AC. 16 lbs.

13 B 2593 X. Kit Form. \$5 Monthly. **59.95**
13 B 2594 X. Factory Assembled. \$6 Monthly. **79.95**



"Stereo 35"
Kit Form **\$59.95** \$5 monthly



SCA-35 35-Watt Stereo Amplifier Kit

Kit	\$99.95	• Control Facilities for All Sources
Form	\$5 monthly	• Husky 45-Watt IHF Power Output
		• Center Channel and Tape Outputs

Thrilling Dynakit performance at surprisingly moderate price. Full control facilities: selector, volume, balance, bass, treble, mode, loudness, filter and on-off. Hum-balance controls, 2 AC outlets, center-channel and tape outputs; provision for headphone jack. **Output:** 35 watts cont. total. **Response:** ± 0.25 dB, 20-20,000 Hz. **IM Dist.:** less than 1%. **Hum:** 80 dB down, 8, 16 ohms. $4\frac{1}{2} \times 13 \times 10$ ". Metal case. 110/120 V., 50-60 Hz AC. Shpg. wt., 21 lbs.

13 B 2590 U. Kit Form. \$5 Monthly. **99.95**
13 B 2595 U. Factory Assembled. \$7 Monthly. **139.95**



Famous FM-3 Stereo FM Tuner Kit

Kit	\$99.95	• "Stereocaster" Lights for Stereocast
Form	\$5 monthly	• Aligns Without Special Equipment
		• Precision Planetary Drive Tuning

Magnificently engineered to pull in stereo FM with outstanding sensitivity, dimensional realism and tonal clarity. Tuned RF stage boasts slug-tuned coils for laboratory-accurate alignment without special equipment. Balanced wideband discriminator. Four IF stages work as progressive limiters. Precision planetary drive tuning. Sensitivity: $4 \mu V$ (IHF). Separation: 30 dB. $4\frac{1}{2} \times 13 \times 8$ ". With metal case. 110-120 V., 50-60 Hz AC. 13 lbs.

13 B 2588 X. Kit Form. \$5 Monthly. **99.95**
13 B 2589 X. Factory Assembled. \$8 Monthly. **154.95**

Dynakit Mono Tube-Type Hi-Fi Components

Mark IV 40-Watt Basic Mono Amplifier Kit. A powerful performer, famous for its clean sound. **Response:** ± 0.5 dB, 10-40,000 Hz. **IM Distortion:** less than 1% at full power. **Hum & Noise:** 90 dB below rated power. **Impedances:** 4, 8, 16 ohms. $7\frac{1}{2} \times 14 \times 5$ ". With cover. For 110-120 V., 50-60 Hz AC. Wt., 20 lbs.

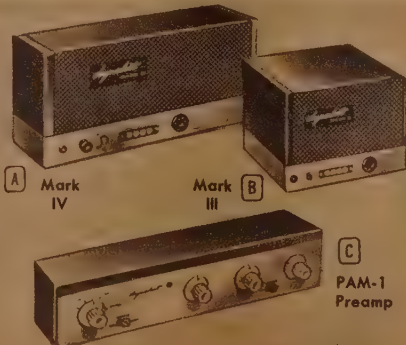
13 B 2265 U. Kit Form. \$5 Monthly. **59.95**
13 B 2266 U. Factory Assembled. \$5 Monthly. **79.95**

Mark III 60-Watt Basic Mono Amplifier Kit. Similar to above, but even more power! **Response:** ± 0.5 dB, 10-60,000 Hz. **IM Distortion:** under 1%. **Hum and Noise:** 90 dB below full power. **Impedances:** 4, 8, 16 ohms. $6\frac{1}{2} \times 9 \times 9$ ". With cover. For 110-120 volts, 50-60 Hz AC. Shpg. wt., 28 lbs.

13 B 2267 U. Kit Form. \$5 Monthly. **79.95**
13 B 2268 U. Factory Assembled. \$5 Monthly. **99.95**

PAM-1 Mono Preamp Kit. Full controls. Takes power from Mark III or IV, or "Stereo 70" amplifier. With cover. 6 lbs.

13 B 2246 X. Kit Form. \$5 Monthly. **34.95**
13 B 2247 X. Factory Assembled. \$6 Monthly. **59.95**



You Get More For Your Hi-Fi Dollar at Allied

ALLIED 45

**STEREO
HI-FI KITS**

EICO Solid-State Hi-Fi Kits

OUTSTANDING EICO "CORTINA" SERIES STEREO KITS



Metal Case Included

Exciting New "Cortina" 3570 70-Watt Stereo FM Receiver Kit

- High-Quality Stereo Receiver at a Low Kit Price
- No Output Transformers to Limit Frequency Response
- Premium Silicon Transistors Used Throughout
- Full Complement of Controls for Every Music Source

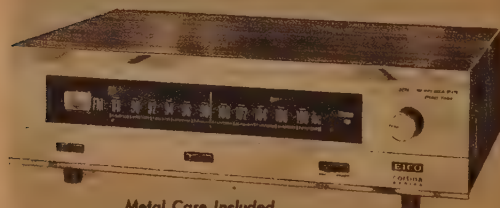
This fine solid-state receiver kit offers features and performance to rival far more costly factory-built components. Delivers outstanding stereo FM and offers full input facilities for other system components including magnetic phono and tape deck. Uses only the finest silicon transistors. Five tuned circuits in FM front-end and four double-tuned IF stages assure excellent sensitivity and selectivity. Preassembled front end, multiplex, and IF circuits speed and simplify assembly—you'll enjoy building this deluxe kit.

Other exceptional features include: precision D'Arsonval tuning meter; stereo indicator that lights automatically on stereo broadcasts; storecast filter; front-panel stereo headphone jack for private listening; switchable AFC; tape monitor. With vinyl-clad, walnut-finish metal case. 4½x16x9". For 105-130 volts, 60 Hz AC. Shpg. wt., 14 lbs.

13 B 2342 U. Kit Form. \$8 Monthly..... 159.95
13 B 2343 U. Factory Assembled. \$12 Monthly..... 239.95

SPECIFICATIONS

IF Power Output: 70 watts @ 4 ohms
Amplifier Response: ±0.5 dB, 8-60,000 Hz
Harmonic Distortion: less than 0.75%
IM Distortion: less than 1%
Hum and Noise: 70 dB below output
FM Channel Separation: 40 dB
Inputs: Magnetic Phono, Tape, Aux
Outputs: 4-16 ohms, headphones, recorder
Controls: Mode Selector; Tape Monitor;
Loudness; Volume; Stereo Balance;
Treble; Bass; Hi-Lo Filters; Speaker
Selector (Main/Remote/All/Phones)



Metal Case Included

"Cortina" 3200 Stereo FM Tuner Kit

Kit	\$89.95	Factory	\$129.95
Form	\$5 monthly	Assembled	\$7 monthly

Superb solid-state stereo FM tuner with famous Eico extras to assure you brilliant stereo FM reception. Perfect companion to "Cortina" 3070 amplifier below. Pre-assembled front end, multiplex, IF's. Tuning meter, AFC switch, stereo indicator light, SCA filter. Sensitivity: 2.4 µV. Automatic stereo switching. 3¼x12x8". With metal case. For 110-120 volts, 60 Hz AC.
13 B 2340 X. Kit Form. Wt., 7 lbs. \$5 Monthly..... 89.95
13 B 2341 X. Factory Assembled. \$7 Monthly..... 129.95



Metal Case Included

"Cortina" 3070 70-Watt Stereo Amplifier Kit

Kit	\$89.95	Factory	\$129.95
Form	\$5 monthly	Assembled	\$7 monthly

A powerful stereo amplifier kit featuring an advanced all-silicon-transistor circuit, usually found only in high-priced components, for pure, undistorted stereo. Special high-gain preamplifier has high overload level for exciting full-dynamic-range sound. Controls and inputs for every music source. Includes scratch and rumble filters. Tape monitor. Speaker switch for off/main/remote/all. Power: 70 watts, 1HF, at 4 ohms. Response: ±1.5 dB, 5-100,000 Hz. Outputs: 4 to 16 ohms; stereo headphones; recording. With metal case. 3¼x12x8". For 105-120 volts, 60 Hz AC. Shpg. wt., 8 lbs.
13 B 2338 X. Kit Form. \$5 Monthly..... 89.95
13 B 2339 X. Factory Assembled. \$7 Monthly..... 129.95

Money-Saving Stereo Kit Systems



Eico 70-Watt Stereo Phono Kit System

- Features Eico 3070K "Cortina" Solid-State Amplifier
- Double Savings—System Savings and By Building Kit

Selected for the music-lover and do-it-yourselfer, this stereo system delivers extraordinary performance. Features top-quality components which, when purchased separately, cost \$239.30. Save \$39.80 on our system price and save by assembling the amplifier kit yourself. You'll get superb stereo hi-fi sound that surpasses many systems selling for much more! Includes: Eico "Cortina" Series 3070K 70-Watt Solid-State Stereo Amplifier Kit with deluxe circuit boasting the finest silicon transistors. Compact styling. Includes smart walnut finish metal case. New Garrard Synchro-Lab SL55 Automatic Turntable, with Base, offers super-accurate speeds and top operating convenience. Shure M32E Elliptical Stereo Cartridge with diamond stylus. Two Knight KN-3005 3-Way Walnut Speaker Systems with 10" woofer, 6" midrange, 3 1/4" tweeter for exciting full-range sound. With all cables, hi-fi booklet. Shpg. wt., 65 lbs.

13 B 0151 D5U. \$10 Monthly. **199.50**



Save \$39.80

\$199.50 \$10 monthly

Deluxe Eico 70-Watt Stereo Phono Kit System

- Bigger Speakers for Finer Sound • Feature-Packed Turntable
- Speaker Systems in Kit Form for Extra-Large Savings

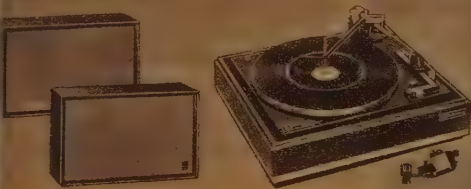
A great combination of components that bring you outstanding performance and maximum savings... a kit builder's delight. Components purchased separately cost \$294.25. Save \$54.47 on the system price and save by assembling the amplifier and speaker kits yourself. Eico 3070K 70-Watt Solid-State Stereo Amplifier Kit with walnut finish metal case. New Garrard Synchro-Lab SL65 Automatic Turntable with Base, offers precision speeds. Pickering V15/ATE3 Elliptical Stereo Cartridge. Two Knight KN-3030AK 3-Way Walnut Speaker System Kits assemble quickly, have 12" woofer, 6" midrange, 3 1/4" tweeter for magnificent sound. With cables, hi-fi booklet. Shpg. wt., 82 lbs.

13 B 0152 D5U. \$12 Monthly. **239.78**



Save \$54.47

\$239.78 \$12 monthly

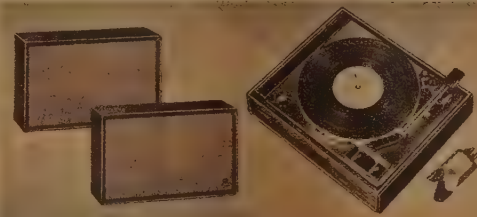


Save

\$67.22

\$319.08

less cash \$16 monthly



Save

\$105.47

\$389.78

\$18 monthly



Scott 120-Watt Stereo Phono Kit System

Finest stereo. Components separately, \$386.30. Deluxe Scott LK60B Solid-State Stereo Amplifier Kit. New McDonald BSR "600" Automatic Turntable with Deluxe Base offers premium features including cueing and anti-skating. Pickering V15/ATE3 Elliptical Stereo Cartridge. Two Knight KN-3030AK 3-Way Walnut Speaker System Kits.

13 B 0153 D5U. Shpg. wt., 96 lbs. \$16 Monthly. **319.08**

13 B 2001 X. Brown Metal Case for LK60B. 5 lbs. **11.85**

13 B 2002 X. Walnut Case for LK60B. 6 lbs. **20.82**

Scott 120-Watt Stereo Phono Kit System

Superb system delivers thrilling stereo sound. Components separately, \$495.25. Scott LK60B Solid-State Amplifier Kit (order case at left) delivers powerful, full-range output. New Garrard SL-75 Automatic Turntable with Base. New Empire 888TE Elliptical Stereo Cartridge. Two Knight KN-2260 3-Way Walnut Speaker Systems with 12" woofer, 8" midrange, horn tweeter for room-filling sound. With all cables, hi-fi booklet. Shpg. wt., 119 lbs.

13 B 0154 D5U. \$18 Monthly. **389.78**

No Money Down, Up to Two Years to Pay With An Allied Credit Fund

ALLIED 47

Stereo Hi-Fi Systems Featuring Kits



Save \$45.05

\$299.20

\$15 monthly



New Eico Stereo FM Receiver Kit,
New Garrard SL65 Turntable,
Empire 888E Elliptical Cartridge
Knight KN-3005 3-Way 10" Speakers



Alternate System

Save \$50.05 **\$314.20**

With Knight KN-3030AK
3-Way 12" Speaker Kits



Save \$116.10

\$459.10

\$20 monthly



Connoisseur-
Quality System



Alternate System

Save \$121.10 **\$494.10**

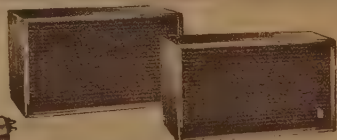
With Knight KN-2300C
3-Way 12" Systems



Save \$130.42

\$504.88

\$22 monthly



Eico 70-Watt Receiver Kit System

Separately, \$344.25. Offers exceptional performance. Have two ways—on the system, and by building the receiver kit. Eico Corina 3570K 70-Watt Stereo FM Receiver Kit. Silicon solid-state. Outstanding FM, controls for all sources. With case. Garrard SL65 Automatic Turntable. New Synchro-Lab. Precision speeds, cueing and pause control, counterweighted arm, automatic/manual operation. With base. Empire 888E Elliptical Stereo Cartridge. Diamond stylus. High compliance. Two Knight KN-3005 3-Way Speaker Systems. 10" woofer, 6" midrange, 3 1/2" tweeter. Beautiful walnut finish. With cables, hi-fi booklet. Shpg. wt., 84 lbs.

13 B 0125 D5U. \$15 Monthly... 299.20

Alternate System

Save \$50.05. As above, except Knight KN-3030AK 3-Way Walnut Speaker System Kits instead of KN-3005's. 12" woofer. Easy assembly. 71 lbs.

13 B 0131 D5U. \$15 Monthly... 314.20

Dynakit 120-Watt Kit System with

PAT-4 Preamp, Stereo 120 Basic

Separately, \$575.20. Finest components for magnificent stereo. Dynakit PAT-4 Solid-State Stereo Preamp Kit. All-silicon-transistor complete stereo control center. Dynakit Stereo 120 120-Watt Solid-State Stereo Basic Amplifier Kit. All-silicon-transistors, amazing response and power. Garrard SL95 Synchro-Lab Automatic Turntable. Finest Garrard ever. Ultra-low-mass pickup arm, 12" table, every deluxe feature. With base. Deluxe New Pickering XV/15AME Elliptical Stereo Cartridge. Includes stylus brush. Two Knight KN-2330 12" 3-Way Walnut Speaker Systems. With cables, hi-fi booklet. Shpg. wt., 115 lbs.

13 B 0129 D6U. \$20 Monthly... 459.10

Alternate System

Save \$121.10. As above, except Knight KN-2300C 3-Way Acoustic Suspension 12" Speaker Systems instead of KN-2330's. Shpg. wt., 147 lbs.

13 B 0133 D6U. \$20 Monthly... 494.10

Kit System Featuring Acoustech XII/PM Stereo Amplifier Kit

Separately, \$635.30. Features Acoustech XII 200-Watt Basic Amplifier with PM Module, making an integrated amplifier. Dual 1019 Automatic Turntable. Has 7 1/2-lb. platter, cue control. With base. Empire 888TE Elliptical Stereo Cartridge. Diamond stylus. Full-range response. Two Knight KN-2350B 3-Way Acoustic-Suspension 12" Speaker Systems. Powerful bass down to 20 Hz. With cables, hi-fi booklet. Wt., 151 lbs.

13 B 0135 D6U. \$22 Monthly... 504.88

13 B 2232 X. Wood Case for XII. 8 lbs. 24.50

SEE KNIGHT-KIT HI-FI STEREO SYSTEMS ON PAGES 442-451

Outstanding Hi-Fi Stereo Compacts

STEREO
COMPACTS

Solid-State Stereo Systems in Space-Saving 3-Piece Ensembles . .
Genuine Hi-Fi Components—Quality Automatic Turntables,
Full-Range Speaker Systems, Full Array of Inputs and Controls



Model SC-440
"Stratophonic"
FM-AM-Phono
Stereo Compact

**Complete
Stereo System**

\$399⁵⁰

\$18 monthly

- Hi-Fi Stereo FM, plus AM
- Garrard 4-Speed Turntable
- Magnetic Stereo Cartridge
- Powerful 50-Watt Output
- Two 10" Speaker Systems
- 20-23,000 Hz Response
- Precision Tuning Meter

Harman-Kardon's Solid-State FM-AM-Phono "Stereo Compact"

Harman-Kardon's finest "Stratophonic" stereo compact system offers dazzling hi-fi sound. Consists of a powerful 50-watt solid-state stereo FM-AM receiver, plus a deluxe Garrard 4-speed automatic turntable . . . in one exquisitely styled cabinet. Turntable has magnetic stereo cartridge with diamond needle. Two matching speaker systems boast magnificent oiled walnut enclosures. Receiver delivers wide-range response of 20-23,000 Hz! FM sensitivity: 2.7 μ V IHF. Full set of audio controls, plus precision D'Arsonval tuning meter, stereo FM indicator light, stereo headphone jack, tape recorder jacks.

Each speaker system has a powerful 10" woofer and $3\frac{1}{2}$ " high-frequency tweeter. Control center, $18\frac{1}{4} \times 8\frac{1}{2} \times 16\frac{1}{4}$ "; speaker systems, $13\frac{5}{8} \times 22\frac{1}{2} \times 10\frac{1}{2}$ ". Optional plastic dust cover, below. For 110-120 V, 60 Hz AC.
 13 B 0304 L3U. Shpg. wt., 100 lbs. **\$18 Monthly . . . \$399.50**

Model SC430. As above, but with extra-compact speaker systems featuring 8" woofers. Enclosures, $11\frac{1}{2} \times 16\frac{1}{2} \times 8$ ".
 13 B 0303 L2U. Shpg. wt., 75 lbs. **\$18 Monthly . . . \$374.50**

13 B 3299 X. Molded Plastic Dust Cover. For both models. Shpg. wt., 2 lbs. **\$5 Monthly . . . \$19.95**

New Fisher 50B 30-Watt Solid-State Portable Music Center

- Automatic 4-Speed Turntable
- Two Wide-Range Speakers
- 30-Watt Music Power Output
- Less Than 1% Distortion
- Attache-Case Design

\$199⁵⁰

\$10 monthly

Compact high-fidelity stereo phono system in the Fisher quality tradition, designed to satisfy discriminating tastes. Components combine to form case that can be easily carried anywhere. Features latest solid-state circuitry. System delivers 30 watts (15 watts per channel) IHF music power for thrilling stereo high-fidelity sound.

Four-speed Garrard automatic turntable mixes all size records of the same speed, shuts off automatically. Pickering magnetic cartridge with diamond stylus. Full complement of controls. Inputs for plugging in tuner and tape recorder. Tape recorder output. Front panel stereo headphone jack. Each detachable enclosure has 6" wide-range speaker—10-ft. cord permits optimum spacing for best stereo effect. Size, $8 \times 23\frac{1}{2} \times 14\frac{1}{4}$ ". For 105-120 volts, 60 Hz AC. Shpg. wt., 35 lbs.
 13 B 2625 U. **\$10 Monthly . . . \$199.50**

Full-Feature Stereo Phono
in a Handsome Attache-Style Case



Look to Allied for the Finest and Newest in Stereo Hi-Fi

ALLIED 49

**STEREO
COMPACTS**

Solid-State Stereo Compacts

THRILLING STEREO HI-FI IN SPACE-SAVING ENSEMBLES

H. H. SCOTT Compacts Featuring All-Silicon Transistors



Scott 2501 36-Watt Stereo Phono Compact

\$249⁹⁵

\$13 monthly

- Outstanding Frequency Response
- Fine, 4-Speed Automatic Turntable
- Mixing Facilities for Mike and Guitar

A superb stereo phono ensemble featuring true *hi-fi* components for thrilling realism. All silicon transistors and transformerless output circuits for full 18-25,000 Hz amplifier response. Four-speed automatic turntable boasts magnetic cartridge with diamond stylus. Wide-range speaker systems each have 6" woofer and 3" tweeter. Controls: loudness; bass; treble; tape monitor; balance; mono-stereo. Inputs for tape deck, tuner, mike, Stereo headphones jack. Control center, 7 $\frac{1}{2}$ "x16 $\frac{1}{2}$ "x15 $\frac{1}{4}$ "; speakers, 14x8 $\frac{1}{2}$ "x6". Walnut veneers. 115 VAC.

13 B 2681 U. Shpg. wt., 48 lbs. \$13 Monthly.....249.95

13 B 2677 X. Plastic Dust Cover. Wt., 4 lbs.....19.95



Scott 2502 36-Watt FM-AM-Phono Compact

\$349⁹⁵

\$17 monthly

- Complete Stereo Entertainment Center
- Sensitive Field-Effect Transistors
- Signal-Strength Tuning Meter

Tasteful styling, compact size and brilliant stereo hi-fi from phono and FM, plus standard AM. Full 36-watt IHF output. All silicon transistors with FET front end. Automatic variable bandwidth on AM. Four-speed auto. turntable, diamond-stylus magnetic cartridge. Speakers, other controls and inputs same as 2501. Oiled walnut.

13 B 2675 U. Shpg. wt., 51 lbs. \$17 Monthly.....349.95

2503 Stereo FM-AM-Phono. Deluxe version. Speaker system have 10" woofers, 5" tweeters, each 23 $\frac{1}{2}$ "x11 $\frac{3}{4}$ "x9".

13 B 2676 13U. Shpg. wt., 88 lbs. \$18 Monthly.....399.95

13 B 2677 X. Plastic Dust Cover. Wt., 4 lbs.....19.95

Two Great New Solid-State Stereo Compacts



FISHER
\$299⁹⁵

\$15 monthly

New Model 150 35-Watt Stereo FM Compact

Famous Fisher-quality stereo-FM receiver system: Pulls in stereo broadcasts with magnificent, clarity and outstanding channel separation. Response, ± 2 dB. 25-20,000 Hz. Four-gang front-end, four IF stages with wideband ratio detector. Stereo Beacon; tuning meter. Phono and tape inputs, tape output. Dual bass, dual treble controls. Speaker systems have 6" woofer, 2 $\frac{1}{2}$ " tweeter. Receiver, speakers 6 $\frac{1}{2}$ "x14 $\frac{1}{2}$ "x7 $\frac{3}{4}$ ". Oiled walnut. 115 VAC.

13 B 2685 U. Wt., 14 $\frac{1}{2}$ lbs. \$15 Monthly.....299.95



KENWOOD
\$249⁹⁵

\$13 monthly

New TKS-40 30-Watt FM-AM Stereo Compact

Packed with latest features. Five IF stages and 4 limiter assure dazzling stereo FM reception. Excellent AM too. Silicon transistors for distortionless amplifier response 0-20-50,000 Hz. Automatic stereo switching. Tuning meter, bass, treble controls; Tape output jack, monitor switch. Inputs: Mag. phono, aux., tape. Speaker systems (16 $\frac{1}{2}$ "x10x8") each have 6 $\frac{1}{2}$ " woofer, 2 $\frac{1}{2}$ " tweeter. Receiver, 516 $\frac{1}{2}$ "x12". Walnut veneers. Japan. 115 VAC.

13 B 0170 12U. Wt., 37 $\frac{1}{2}$ lbs. \$18 Monthly.....249.95

New **ALLIED** 919 Stereo Automatic Turntable With Cuing, Adjustable Anti-Skate, Low-Mass Arm



Boasts Cuing Control with One-Groove Accuracy, Pause Control, Variable Adjustable Dynamic Anti-Skate Control



Low-Mass Tubular Aluminum Counter-Balanced Arm with Automatic Locking Arm Rest, Clip-In Cartridge Holder



NEW!

**PRECISION-CRAFTED
IN ENGLAND**

Base
Optional

Allied 4-Speed Automatic Turntable and 1¢ Cartridge Bonus

Allied 919 **\$49.95** \$5 monthly With 1¢ Bonus **\$49.96** \$5 monthly
Alone Elliptical Cartridge

The all-new Allied 919 is our most spectacular value ever in a 4-speed automatic turntable! The 919 is loaded with important extras that are usually reserved for the most expensive models, including everything you need for operating convenience, versatility, and distortion-free stereo. Offers fully automatic, semi-automatic, or manual operation. Choice of continuous repeat-play or automatic shut-off. Deluxe turntable mat with aluminum trim ring.

Pause and cuing control lets you interrupt a record, then lower the arm back into the same groove, effortlessly. Low-mass jamproof tubular arm is counter-balanced on nearly frictionless ball-bearings for super-accurate tracking that cuts distortion. Tracks at less than one gram. Stylus pressure adjustment (0-6 grams). Automatic lock secures arm in "off" position. Anti-skate control prevents unequal pressure on stylus. Dynamically balanced, resiliently-mounted 4-pole motor helps reduce wow to less than 0.12% rms, and flutter to less than 0.05% rms at 33 $\frac{1}{3}$ rpm. Pop filter and muting switch.

Full-size 11" turntable. Shockproof suspension. Clip-in cartridge holder (one supplied) for quick, easy cartridge changing. Separate manual spindle for 45-rpm records. 13 $\frac{1}{2}$ x11 $\frac{1}{4}$ ". Req. 4" above, 2 $\frac{1}{2}$ " below mtg. board. With 1¢ cartridge bonus—choose Empire 888E, Pickering V15/ATE-3 or Shure M44E. Order base, 45-rpm automatic spindle below. 105-130 V, 60 Hz AC.

14 B 0294 CDX. Specify Cartridge. Shpg. wt., 9 $\frac{1}{2}$ lbs. \$5 Monthly. 49.96

Allied 919 Automatic Turntable With Deluxe Extra-Light-Tracking Stereo Elliptical Cartridge for \$5 More. Save \$44.95. Choose Empire 888TE or Pickering XV-15/AME. Order base, 45-rpm automatic spindle below. Wt., 9 $\frac{1}{2}$ lbs.

14 B 0295 CDX. Specify Cartridge. \$5 Monthly. 54.95

14 B 5455 X. Allied 919 Automatic Turntable Alone. Wt., 9 $\frac{1}{2}$ lbs. 49.95

14 B 5450 X. Walnut Finished Wood Base. Wt., 3 lbs. 4.95

14 B 5614 X. Mounting Board. Wt., 2 lbs. 1.95

14 B 5454. 45-rpm Automatic Spindle. Wt., 12 oz. 1.69

14 B 5453 X. Dust Cover. Transparent vinyl. Wt., 5 lbs. 4.95

BONUS CARTRIDGE

Choice of Stereo
Elliptical Cartridge

only 1¢ more

Save Up to \$39.94

Empire 888E Reg. \$39.95 Pickering V15/ATE-3 Reg. \$39.95 Shure M44E Reg. \$34.50



Choice of Deluxe
Elliptical Cartridge

only \$5 more

Save \$44.95

Empire 888TE Reg. \$49.95 Pickering XV-15/AME Reg. \$49.95



The 919 Automatic Turntable Is Available Only from Allied

ALLIED 51



New Garrard Automatic Turntables

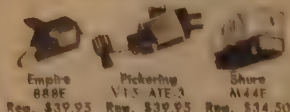


NEW MOTOR DESIGN FOR POWER AND PRECISION

Garrard achieves a major design breakthrough with the new Synchro-Lab motor, bringing you the power and ruggedness of an induction motor, plus the exact-speed accuracy of a synchronous motor.

Stereo Elliptical Cartridge Sale

only 1¢ more



Empire 888E Reg. \$39.95
Pickering V-15 ATE-3 Reg. \$39.95
Shure M44E Reg. \$34.50

only \$5 more



Empire 888TE Reg. \$49.95
Pickering XV-15 AME Reg. \$40.05



Deluxe
\$175

With
Elliptical
Cartridge
\$109.51

With
Deluxe
Elliptical
\$114.50

SL75
Alone
\$109.50

Save Up to \$44.95

Order base page 34



Garrard's
Best—
SL95

NEW!

With
Elliptical
Cartridge
\$129.51

With
Deluxe
Elliptical
\$134.50

SL95
Alone
\$129.50

Save Up to \$44.95

SL95 Automatic Turntable and Cartridge

Finest automatic turntable ever designed by Garrard! An ideal choice for the critical listener. New Synchro-Lab motor for smooth, perfectly constant speed. New advanced ultra-low mass pickup arm; full 12" turntable. New adjustable counterweight; anti-skating control; stylus force dial. New convenience with combined manual and cueing controls and combined speed and record-size selector. Automatic or manual Rotating single play spindle 38 1/2, 45, 78-rpm 15 1/2x1 1/2". Reg. 45¢ above, 3¢ below mtg. board. With Empire 888E, Pickering V-15 ATE-3 or Shure M44E. Order base, 45-rpm auto. spindle p. 34 13 B 0081 CDU, Specify Cartridge. Wt., 13 lbs. \$7 Monthly 129.51

SL95 With Deluxe Elliptical Cartridge for \$5 More. Choose Empire 888TE or Pickering XV-15 AME. Shpg. wt., 18 lbs.

13 B 0082 CDU, Specify Cartridge. \$7 Monthly 134.50

13 B 3061 U, SL95 Alone. 13 lbs. \$7 Monthly 129.50

SL75 Automatic Turntable, Cartridge

New deluxe turntable features the Synchro-Lab motor for amazing speed accuracy, actually within ±0.3%. Many features including: New combine speed and record size selector, new adjustable counterweight, stylus force assembly, and anti-skating control; new combined manual and cueing control. New "Auto Rise" record platform telescopes out, away during single play. Single play spindle rotate with record. New low-mass pickup arm, full 12" turntable. New cartridge clip, and more. 38 1/2, 45, 78-rpm 16 1/2x1 1/2". Reg. 45¢ above, 3¢ below mtg. board. With Empire 888E, Pickering V-15 ATE-3 or Shure M44E cartridge. Order base an 45-rpm automatic spindle from page 34. For 115 V 60 Hz AC. Shpg. wt., 13 lbs. 13 B 0084 CDU, Specify Cartridge, \$6 Monthly 109.5

SL75 With Deluxe Elliptical Cartridge for \$5 More. Choose Empire 888TE or Pickering XV-15 AME—specify Shpg. wt., 13 lbs.

13 B 0085 CDU, \$6 Monthly 114.5

13 B 3062 U, SL75 Alone. Wt., 13 lbs. 109.5

\$25
more



SL95 With Exciting New \$74.95 Empire 888TE Elliptical Cartridge. New \$25.95. 13 lbs. 13 B 0083 DU, \$8 Monthly 134.50

With Elliptical Cartridge Offers



PERFECT SPEED ASSURES YOU OF SUPERB SOUND

The Synchro-Lab motor, the "heart" of these new Garrards, is your assurance that your records sound their best ... never any flaw in pitch due to high or low line voltage or number of records on the platter.

Stereo Elliptical Cartridge Sale

only 1¢ more



Empire 808E Reg. \$29.95
Pickering V15/ACE-3 Reg. \$29.95
Shure M32E Reg. \$25.00

only \$5 more



Empire 888E Reg. \$39.95
Pickering V15/ATE-3 Reg. \$39.95
Shure M44E Reg. \$34.50



NEW!

SL55	With Elliptical Cartridge	With Deluxe Elliptical	SL55 Alone
	\$59 ⁵¹	\$64 ⁵⁰	\$59 ⁵⁰

Save Up to \$34.95

Order base: page 54

SL65	With Elliptical Cartridge	With Deluxe Elliptical	SL65 Alone
	\$79 ⁵¹	\$84 ⁵⁰	\$79 ⁵⁰

Save Up to \$34.95

C SL65 Automatic Turntable and Cartridge

Famous Garrard precision, dependability and convenience plus the new Synchro-Lab motor in this feature-packed model. Cueing and pause control lever, optical-type stylus pressure adjustment, anti-skate compensation. Adjustable, resiliently mounted counterweight on tubular, dynamically balanced pickup arm. Interchangeable spindles, allows automatic intermix. Cast, balanced oversized turntable. Four speeds; automatic or manual operation. 15 1/2 x 13 1/2". Reg. 4 3/4" above, 2 1/4" below mtg. board. Choose Empire 808E, Pickering V15/ACE-3 or Shure M32E cartridge. Order base, 45-rpm spindle from p. 54. Wt., 13 lbs. 13 B 0079 CDU. Specify Cartridge. \$5 Monthly.....79.51

SL65 With "Lighter-Tracking" Elliptical Cartridge for \$5 More. Choose Empire 888E, Pickering V15/ATE-3 or Shure M44E. Shpg. wt., 13 lbs.

13 B 0080 CDU. Specify Cartridge. \$5 Monthly.....84.50

13 B 3063 U. SL65 Alone. 13 lbs. \$5 Monthly.....79.50

D SL55 Automatic Turntable and Cartridge

New four-speed automatic turntable offers exceptional quality at a surprisingly low price. Features the Synchro-Lab motor and renowned Garrard precision engineering. Cueing lever lets you raise or lower arm without touching it. Tubular pickup arm has fixed counter-balance, easy stylus pressure adjustment. Oversized turntable. Two spindles; automatic intermix operation. Automatic or manual. 14 1/2 x 12 1/2". Reg. 4 3/4" above, 2 1/4" below mtg. board. Choose Empire 808E, Pickering V15/ACE-3 or Shure M32E cartridge. Order base, 45-rpm automatic spindle from next page. Shpg. wt., 11 lbs. 13 B 0077 CDU. Specify Cartridge. \$5 Monthly.....59.51

SL55 With "Lighter-Tracking" Elliptical Cartridge for \$5 More. Choose Empire 888E, Pickering V15/ATE-3 or Shure M44E. Shpg. wt., 11 lbs.

13 B 0078 CDU. Specify Cartridge. \$5 Monthly.....64.50

13 B 3064 U. SL55 Alone. 11 lbs. \$5 Monthly.....59.50

SEE NEXT PAGE FOR GARRARD BASES, 45-RPM SPINDLES, AND OTHER ACCESSORIES

Low-Cost Garrard Turntables..Garrard Accessories

Order base below



Garrard 40 MK II and Stereo Cartridge

With Stereo
Conical Cartridge

\$44.51

With Stereo
Elliptical

\$49.50

40 MKII Alone

\$44.50

Save Up to \$24.94—1¢ Sale. Famous low-cost Garrard 4-speed automatic turntable. Silent 4-pole motor for exact speeds of 16 $\frac{2}{3}$, 33 $\frac{1}{3}$, 45 and 78 rpm. Automatic or manual, two spindles; oversize weighted platter. 13" x 12". With 1¢ cartridge bonus—Empire 888, Pickering V15/AC-3 or Shure M44-5. Order base, 45-rpm automatic spindle below. For 115 V, 60 Hz AC. From England. Shpg. wt., 11 lbs.

13 B 0086 CDX. Specify Cartridge. \$5 Monthly..... 44.51

40 MK II With Elliptical Cartridge for \$5 More. Save up to \$24.95. Empire 808E, Pickering V15/AC-3, Shure M32E.

13 B 0087 CDX. Specify Cartridge. 11 lbs. \$5 Monthly..... 49.50

13 B 3164 X. 40 MK II Alone. 11 lbs. \$5 Monthly..... 44.50

only 1¢ more

Choice of Conical Cartridge



888 Reg. \$24.95 V15/AC-3 Reg. \$24.95 M44-5 Reg. \$21.95

only \$5 more

Elliptical Cartridge



808E Reg. \$29.95 V15/ACE-3 Reg. \$29.95 M32E Reg. \$25.00

Order
base below



NEW!

Model 30 Automatic Turntable

\$39.50

Complete With Stereo
Ceramic Cartridge
And Diamond Stylus

\$5 monthly

Famous Garrard craftsmanship in a remarkably low priced automatic turntable. Ideal for low-cost systems or replacement use. Four speeds, Automatic intermix. Two spindles. Oversize, weighted turntable. With ceramic cartridge, diamond stylus. 14 $\frac{1}{2}$ " x 12 $\frac{3}{4}$ ". Order base, 45-rpm automatic spindle, below. For 110-130 volts, 60 Hz AC. England. 10 $\frac{1}{4}$ lbs.

13 B 3167 X. \$5 Monthly..... 39.50



Order
base below

Garrard SP20 4-Speed Manual Turntable and Stereo Cartridge

only 1¢ more

Choice of Conical Cartridge



888 Reg. \$24.95 V15/AC-3 Reg. \$24.95 M44-5 Reg. \$21.95

With
Cartridge

\$37.51

SP20
Alone

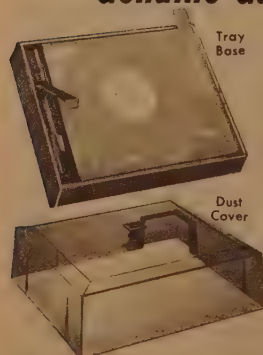
\$37.50

Precision manual turntable is perfect for home stereo systems and quality audio-visual applications. Pickup arm automatically returns to rest and shuts turntable off after record is played. Fixed counter-balance, threaded force adjustment. Plug-in head. Full-size weighted turntable for rumble-free performance. Size, 14 $\frac{1}{2}$ " x 12 $\frac{3}{4}$ ". Choice of Empire 888, Pickering V15/AC-3 or Shure M44-5 stereo magnetic cartridge—specify. With 45-rpm adapter. Order base below. For 110-130 volts, 60 Hz AC. England. Shpg. wt. 11 lbs.

13 B 0088 CDU. \$5 Monthly..... 37.51

13 B 3150 U. SP20 Alone..... 37.50

Genuine Garrard Accessories for Garrard Turntables



Tray
Base

Dust
Cover

Coordinated bases for shelf or table-top. Simulated ebony and walnut. Provision for easy mounting of slides if desired. Type CB11 has covered accessory tray. "Power-Matic" bases turn off amplifier or

receiver when last record has played. Dust covers are clear molded styrene, can be left in place while playing. Mounting boards are smooth-sanded unfinished wood, 16x18". *Also for 60, 50 series.

Stock No.	Type	Description	Lbs.	EACH
13 B 3153 X	CB10	Base for SL65, SL55, 40, 30, 20 Series. *	5	4.95
13 B 3067 X	CB11	Base for SL95, SL75. Includes accessory tray.	6	5.95
13 B 3025 X	CB10P	Like CB10, but "Power-Matic" feature.	7	14.95
13 B 3033 X	CB11P	Like CB11, but "Power-Matic" feature.	8	15.95
13 B 3165 X	DC10	Dust cover for SL65, SL55, 40, 30, 20 Series. *	5	4.95
13 B 3154 X	DC89	Dust cover for SL95, SL75 (also Lab 80, 70 MK II).	5	5.95
13 B 3060 X	MB10	Mounting board for SL65, SL55, 40, 30, 20 Series. *	2	2.25
13 B 3070 X	MB11	Mounting board for SL95, SL75.	2	2.25
13 B 3087	LRS20	45-rpm auto spindle for SL65, SL55, 40, 30, 20 Series. *	1 $\frac{1}{2}$	3.80
13 B 3076	LRS25	45-rpm auto spindle for SL95, SL75.	1 $\frac{1}{2}$	3.80
13 B 3077	C1	Cartridge clip for SL75	3 oz.	1.75
13 B 3089	C2	Cartridge clip for SL95.	3 oz.	1.75
13 B 3112	M7	Extra cartridge head for SL65, SL55, 40 MK II, 20 Series*	3 oz.	1.75

BSR McDonald Precision Automatic Turntables

WITH MONEY-**SAVING** STEREO ELLIPTICAL CARTRIDGE BONUS

New Model 600 Automatic Turntable

Deluxe 4-speed automatic turntable loaded with important advanced features. Automatic or manual operation, with stereo muting feature to prevent pops and clicks during record-changing cycle. Precise cuing and pause control. Perfectly counterbalanced low-mass tubular aluminum pickup arm. Tracks and trips at less than 1 gram! 0-6 gram stylus pressure adjustment. Adjustable anti-skate compensation. Full-size heavy cast turntable. 13 $\frac{1}{2}$ x 11 $\frac{1}{4}$ ". Req. 4" above, 2 $\frac{1}{2}$ " below mtg. board. Empire 808E, Pickering V15/ACE-3 or Shure M32E cartridge—specify. Order base, bottom of page. 115 volts, 60 Hz AC. 11 lbs.

13 B 0105 CDU. \$5 Monthly. 74.51

McDonald 600 With Deluxe Elliptical Cartridge for \$5 More. Empire 888E, Pickering V15/ATE-3 or Shure M44E—specify. Wt., 11 lbs.

13 B 0106 CDU. \$5 Monthly. 79.50

13 B 3050 U. 600 Alone. \$5 Monthly. 74.50

Shown on deluxe base

With Elliptical Cartridge	With Deluxe Elliptical	Model 600 Alone
\$74 ⁵¹	\$79 ⁵⁰	\$74 ⁵⁰



Save Up to \$34.95

on Elliptical Cartridge
with Purchase of

McDonald 600, 500A or 400

only 1¢ more

Choice of Elliptical Cartridge



Empire 808E
Reg. \$29.95



Pickering V15/ACE-3
Reg. \$29.95



Shure M32E
Reg. \$25.00

only \$5 more

Deluxe Elliptical Cartridge



Empire 888E
Reg. \$39.95



Pickering V15/ATE-3
Reg. \$39.95



Shure M44E
Reg. \$34.50

New Model 500A Automatic Turntable

Excellent 4-speed automatic turntable offering precision craftsmanship and many special features. Cuing control. Adjustable anti-skate compensation. Automatic or manual operation. Counterbalanced, low-mass arm. Less than one gram tracking and tripping. 0-6 gram stylus pressure adjustment. Pop filter. 13 $\frac{1}{2}$ x 11 $\frac{1}{4}$ ". Req. 4" above, 2 $\frac{1}{2}$ " below mtg. board. Empire 808E, Pickering V15/ACE-3 or Shure M32E—specify. Order base below. 120 VAC. Shpg. wt., 9 $\frac{1}{2}$ lbs.

13 B 0107 CDU. \$5 Monthly. 59.51

500A with Deluxe Elliptical Cart. Empire 888E, Pickering V15/ATE-3, Shure M44E—specify.

13 B 0108 CDU. Wt., 9 $\frac{1}{2}$ lbs. \$5 Monthly. 64.50

13 B 3010 U. 500A Alone. 9 $\frac{1}{2}$ lbs. \$5 Monthly 59.50

New Model 400 Automatic Turntable

Exceptionally fine performance at low cost. Same fine precision craftsmanship found in higher-priced McDonalds. Automatic or manual operation. All four speeds. Cuing. Counterbalanced low-mass pickup arm: Jam-proof. 1-gram tracking. Stylus pressure, anti-skate adjustments. 13 $\frac{1}{2}$ x 11 $\frac{1}{4}$ ". Req. 4" above, 2 $\frac{1}{2}$ " below mtg. board. Empire 808E, Pickering V15/ACE-3 or Shure M32E—specify. Order base below. 120 VAC. 9 $\frac{1}{2}$ lbs.

13 B 0109 CDU. \$5 Monthly. 49.51

400 with Deluxe Elliptical Cart. Empire 888E, Pickering V15/ATE-3, Shure M44E—specify.

13 B 0121 CDU. Wt., 9 $\frac{1}{2}$ lbs. \$5 Monthly. 54.50

13 B 3011 U. 400 Alone. 9 $\frac{1}{2}$ lbs. \$5 Monthly. 49.50

With Elliptical Cartridge

\$59⁵¹

With Deluxe Elliptical

\$64⁵⁰

Model 500A Alone

\$59⁵⁰

Shown on deluxe base



With Elliptical Cartridge

\$49⁵¹

With Deluxe Elliptical

\$54⁵⁰

Model 400 Alone

\$49⁵⁰

Shown on deluxe base



Accessories for all BSR McDonald Automatic Turntables

13 B 3051 X. WB-6 Deluxe Base. Oiled walnut veneer. Black and silver trim. Recessed, scalloped top. 5 lbs. 12.00

13 B 3058 X. WB-5 Base. Walnut grain. 3 $\frac{3}{4}$ lbs. 6.00

13 B 3113. AS-2 45-rpm Automatic Spindle Adapter Set. 45-rpm automatic adapter, plus bracket to store adapter and automatic or manual spindles. With mounting hardware. Shpg. wt., 8 oz. 2.25

Molded Dust Covers. Tinted, rigid molded dust covers. May be used while turntable is playing. Deluxe Model DC3 has vinyl walnut and silver trim. 2 $\frac{3}{4}$ lbs.

13 B 3093 X. Deluxe Model DC-3. 7.00

13 B 3090 X. Model DC-2. 5.00

13 B 3055 X. MB-2 Mounting Board. Unfinished. 15 $\frac{1}{2}$ x 15 $\frac{1}{2}$ ". May be trimmed. $\frac{1}{2}$ " thick. 2 lbs. 2.25

BSR McDonald Automatic Turntables are Precision-Made in England

ALLIED 55

Dual Automatic Turntables and Cartridge Offers

only 1¢ more



Empire 888E Reg. \$39.95
Pickering V15/ATE-3 Reg. \$39.95
Shure M44E Reg. \$34.50

only \$5 more



Empire 888TE Reg. \$49.95
Pickering XV15/AME Reg. \$49.95

DUAL
by United Audio

Connoisseur-Quality
Model 1019

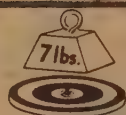


Shown on
WB49 Base



Superb Performing
Model 1009SK

LATEST DELUXE FEATURES . .



Heavy, Precision-Cast Platters.
1019, 7½ lbs.
1009SK, 4 lbs.



Single-Play Spindle
Rotates (Both Models)



Variable Anti-Skating
Compensation
(Both Models)



"Feather-Touch"
Cue Control With
One-Groove Accuracy
(Both Models)



6% Variable
Pitch Control
(Model 1019)



Superb Specifications
Fulfill Professional
Standards

1019 Automatic Turntable with Cartridge

With Elliptical
Stereo Cartridge

\$129⁵¹

With Deluxe
Stereo Elliptical

\$134⁵⁰

1019
Alone

\$129⁵⁰

1009SK Automatic Turntable with Cartridge

With Elliptical
Stereo Cartridge

\$109⁵¹

With Deluxe
Stereo Elliptical

\$114⁵⁰

1009SK
Alone

\$109⁵⁰

Superb craftsmanship and deluxe features to satisfy the critical audiophile. Excellent tracking as low as ½ gram. Offers automatic and manual operation in single-play and changer modes. Continuous-pole motor; 16%, 33½, 45, 78 rpm speeds, plus 6% vari-pitch range. Dynamically balanced arm with adjustable counterweight. Precision cue control. Dynamically balanced 7½-lb. platter. 12¾x10¾". Requires 6" above, 3" below mounting board. With elliptical cartridge for 1¢—Empire 888E, Pickering V15/ATE-3 or Shure M44E. Order base and accessories below. 115 V, 60 Hz AC. From West Germany. Shpg. wt., 23 lbs.
13 B 0089 CDU. Specify Cartridge. \$7 Monthly. 129.51

1019 With Deluxe Elliptical Cartridge. Choice of Empire 888TE or Pickering XV15/AME. Wt., 23 lbs.
13 B 0094 CDU. Specify Cartridge. \$7 Monthly. 134.50
13 B 3260 U. 1019 Alone. \$7 Monthly. 129.50

1019 with New Empire 999VE Cartridge



\$25
more

Save \$49.95 **\$154⁵⁰** \$8 monthly

An Allied Special for the connoisseur! Dual 1019 with Empire's exciting new \$74.95 999VE elliptical stereo cartridge. Wt., 23 lbs.
13 B 0071 DU. 154.50

Famous for its precision mechanism and ultra-smooth performance. Includes effortless cueing for set-down or lifting of arm on any groove, special anti-skating device for precise tracking. Automatic or manual operation in single-play and changer modes. Gram scale. Single-play spindle turns with record. Fine, continuous-pole motor and 4-lb. platter. 16%, 33½, 45 and 78 rpm speeds. 12¾x10¾". Requires 6" above, 3" below mtg. board. With elliptical cartridge for 1¢ more—Empire 888E, Pickering V15/ATE-3 or Shure M44E. Order base below. 115 V, 60 Hz AC. From West Germany. 20 lbs.
13 B 0064 CDU. Specify Cartridge. \$6 Monthly. 109.51

1009SK With Deluxe Elliptical Cartridge. Empire 888TE or Pickering XV15/AME. Shpg. wt., 20 lbs.
13 B 0067 CDU. Specify Cartridge. \$6 Monthly. 114.50
13 B 3252 U. 1009SK Alone. \$6 Monthly. 109.50

Genuine Dual Accessories

For All Dual Models Above and on Next Page.

13 B 3287 X. WB49 Base. Oiled Walnut. Wt., 3 lbs. 6.95
13 B 3286 X. DC11 Dust Cover. For WB49 above. 3 lbs. 8.95
13 B 3289 X. WB93 Deluxe Base. Oiled walnut. 5 lbs. 11.95
13 B 3295 X. DC3 Deluxe Dust Cover. For WB93. 4 lbs. 8.95
13 B 3288 X. DC83 Deluxe Base/Dust Cover Combination. Cover tilts or removes for changer operation. 10 lbs. 29.50
13 B 3208. AS9 Automatic 45-rpm Spindle. 10 oz. 5.95
13 B 3264. CH19 Extra Cartridge Holder. 3. oz. 3.95

New Dual Automatic Turntables and Cartridges

1015 Automatic Turntable

With Elliptical Stereo Cartridge	With Deluxe Stereo Elliptical	1015 Alone
\$89 ⁵¹	\$94 ⁵⁰	\$89 ⁵⁰

Feature-packed! Automatic or manual, 4 speeds. Feather-touch cuing. Dynamically-balanced arm tracks down to 1/2 gram. Anti-skating. 12 $\frac{1}{2}$ "x10 $\frac{1}{2}$ ". With Empire 888E, Pickering V15/ATE-3 or Shure M44E. Order base, accessories from page 56, 115 VAC. W. Germany. 16 lbs. 13 B 0090 CDU. Specify Cartridge.... 89.51

1015 and Deluxe Elliptical for \$5 More. Empire 888TE or Pick. XV15/AME. 16 lbs. 13 B 0091 CDU. Specify Cartridge.... 94.50
13 B 3253 U. 1015 Alone. 16 lbs. 89.50

1010S Automatic Turntable

With Elliptical Stereo Cartridge	With Deluxe Stereo Elliptical	1010S Alone
\$69 ⁵¹	\$74 ⁵⁰	\$69 ⁵⁰

Precision-made 4-speed automatic or manual turntable. Cuing. Low-mass arm. Fine high-torque motor. Tracking force and stylus overhang adjustments. 12 $\frac{1}{2}$ "x10 $\frac{1}{2}$ ". With Empire 808E, Pick. V15/ACE-3 or Shure M32E. Order base, access., on page 56. From W. Germany. 115 VAC. 16 lbs. 13 B 0092 CDU. Specify Cartridge.... 69.51

1010S and Deluxe Elliptical for \$5 More. 888E, V15/ATE-3 or M44E. 16 lbs. 13 B 0093 CDU. Specify Cartridge.... 74.50
13 B 3297 U. 1010S Alone. 16 lbs. 69.50

DUAL by United Audio

only 1¢ more

Empire 888E	Pickering V15/ATE3	Shure M44E
\$39.95	\$39.95	\$34.50

only \$5 more

Empire 888TE	Pickering XV15/AME
Reg. \$49.95	Reg. \$49.95



Deluxe Model 1015



Value-Packed Model 1010S

Miracord Automatic Turntables—with Stereo Cartridge



NEW!



Model 630 and Cartridge

Model 620 and Cartridge

Elliptical Cartridge	Deluxe Elliptical	630 Alone
\$119 ⁵¹	\$124 ⁵⁰	\$119 ⁵⁰

Elliptical Cartridge	Deluxe Elliptical	620 Alone
\$89 ⁵¹	\$94 ⁵⁰	\$89 ⁵⁰

Famous Miracord quality and features. Pushbutton operation, cuing, 4 speeds; automatic or manual. 13 $\frac{1}{2}$ "x11 $\frac{1}{2}$ ". 5 $\frac{1}{2}$ " above, 3" below mtg. board. Empire 888E, Pick. V15/ATE-3 or Shure M44E—specify. Order base below. 13 B 0097 CDU. 16 lbs. 119.51

630 and \$5 Deluxe Elliptical Cartridge. Specify Empire 888TE or Pickering XV15/AME. 16 lbs. 13 B 0098 CDU. \$7 Monthly 124.50
13 B 3135 U. 630 Alone. 119.50

Four-speed automatic turntable boasts pushbutton operation, cuing, much more. 13 $\frac{1}{2}$ "x11 $\frac{1}{2}$ ". Req. 5 $\frac{1}{2}$ " above, 3" below mtg. board. Empire 888E, Pickering V15/ATE-3 or Shure M44E—specify. Order base below. 14 lbs. 13 B 0095 CDU. \$5 Monthly 89.51

620 and \$5 Deluxe Elliptical Cartridge. Specify Empire 888TE or Pickering XV15/AME. 14 lbs. 13 B 0096 CDU. \$5 Monthly 94.50
13 B 3146 U. 620 Alone. 89.50



Renowned Model PW50H and Cartridge

With Elliptical Cartridge	With Deluxe Elliptical	PW50H Alone
\$149 ⁵¹	\$154 ⁵⁰	\$149 ⁵⁰

Professional-quality unit offers manual, semi-automatic and fully automatic operation. Cuing, anti-skating devices. 1/2-gram tracking. Balance indicator. Calibrated head for cartridge positioning. Hysteresis motor, 6-lb. platter. Four speeds. 14 $\frac{1}{2}$ "x12 $\frac{1}{2}$ ". Req. 5 $\frac{1}{2}$ " above, 3 $\frac{1}{2}$ " below, 2" to right of mtg. board. Empire 888E, Pickering V15/ATE-3 or Shure M44E. Order base, left. W. Germany. 20 lbs.

13 B 0016 CDU. Specify Cartridge. 149.51
PW50H With Deluxe Elliptical Cartridge for \$5 More. Choose Empire 888TE or Pick. XV15/AME.
13 B 0017 CDU. Specify Cartridge. 2 lbs. 154.50
13 B 3256 U. PW50H Alone. \$8 Monthly 149.50

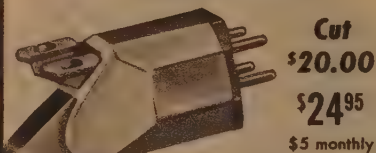
Accessories for Miracord Automatic Turntables

13 B 3257 X. R82 Recessed Walnut Base. For PW50H. 3 lbs.	6.95
13 B 3238 X. R83 Recessed Walnut Base. For 630, 620. 3 lbs.	6.95
13 B 3254 X. DC2 Dust Cover. For PW50H. 2 lbs.	5.95
13 B 3239 X. DC3 Dust Cover. For 630, 620. 2 lbs.	5.95
13 B 3193. CR50 Extra Cartridge Mount. For PW50H, 630. 3 oz.	5.00
13 B 3195. CR600 Extra Cartridge Mount. For 620. 3 oz.	3.00

Open A Convenient Allied Credit Fund Account Now

EMPIRE Magnetic Stereo Cartridges

SPECTACULAR VALUE



888SE Super-Elliptical Cartridge

Was \$44.95 in Last Year's Catalog. A special-purchase brings you this great cartridge, for use with the finest manual and automatic turntables, at an exciting new low price. Features 15° .0007" x .0003" diamond stylus for perfect tracking, and freedom from distortion. Response: 6-32,000 Hz. Separation: 30 dB. Compliance: 25x10⁻⁶ cm/dyne. Tracks 1/2-3 grams. Shpg. wt., 4 oz. 13 B 3991 S. \$5 Monthly.....24.95

New 999VE Deluxe Elliptical Cartridge



Finest cartridge Empire has ever made! Designed for the hi-fi perfectionist and professional, the 999VE has .0002" x .0007" ellip. diamond stylus. 6-35,000 Hz. 5.0 mV per chan. Compliance: 3x10⁻⁶ cm/dyne. Separation: 30 dB. Tracks from 1/2-1 1/2 grams. Shpg. wt., 4 oz. 13 B 3976 S.....74.95

\$74.95



A 888E Elliptical. Widely-praised cartridge, with 15° .0009" x .0004" diamond stylus, for automatic and manual turntables. Response: 10-30,000 Hz. Output: 8.0 mV per channel. Compliance: 12x10⁻⁶ cm/dyne. Separation: 30 dB. Tracks from 3/4 to 5 grams. Wt., 4 oz. 13 B 3992 S. \$5 Monthly.....39.95

B 888TE Elliptical. Has 15° Conical-tip diamond stylus. Response: 12 to 24,000 Hz. Output: 8.0 mV per channel. Compliance: 10x10⁻⁶ cm/dyne. Separation: 30 dB. Tracks from 3/4 to 4 grams. Shpg. wt., 4 oz. 13 B 3985 S. \$5 Monthly.....24.95

B 888P Deluxe Conical. Has 15° .0006" conical-tip diamond stylus. Response: 10-28,000 Hz. Output: 8.0 mV per channel. Compliance: 15x10⁻⁶ cm/dyne. 30 dB sep. Tracks 1/2-4 grams. 4 oz. 13 B 3986 S. \$5 Monthly.....29.95

B New 888TE Elliptical. Superb cartridge ideal for high-performance manual and automatic turntables. 15° .0002" x .0007" elliptical diamond stylus. 6-32,000 Hz. Output: 8.0 mV per channel. Sep.: 30 dB. Compliance: 25x10⁻⁶ cm/dyne. 1/2-2 grams. 4 oz. 13 B 3964 S. \$5 Monthly.....49.95

C New 808E Elliptical. An excellent choice for economy automatic turntables. Boasts 15° .0004" x .0009" elliptical diamond stylus. Frequency Response: 10 to 25,000 Hz. Output Voltage: 9.0 mV per channel. Channel Separation: 30 dB. Compliance 12x10⁻⁶ cm/dyne. Tracks from 1 to 4 grams. Shpg. wt., 4 oz. 13 B 3969 S. \$5 Monthly.....29.95

New 808 Conical. Has .0007" conical-tip diamond stylus. Response: 10-20,000 Hz. Output Voltage: 8.0 mV per channel. Separation: 30 dB. Compliance: 8x10⁻⁶ cm/dyne. Tracks 1-5 grams. Wt., 4 oz. 13 B 3982 S. \$5 Monthly.....19.95

PICKERING Magnetic Stereo Cartridges

SPECTACULAR VALUE



V15/AME-2 Elliptical Cartridge

Was \$39.95 in Last Year's Catalog. A tremendous value—outstanding Pickering stereo cartridge with 15° .0009" x .0002" elliptical diamond stylus, at an all-time low price that saves you \$15.00. Excellent for automatic and manual turntables. Response: 20-25,000 Hz. Separation: 35 dB. Tracks 3/4-1 1/2 grams. Shpg. wt., 3 oz. 13 B 3895 S. \$5 Monthly.....24.95

Save
\$15.00
\$24.95
\$5 monthly



Application-Engineered XV Series

Whether you choose a lower-cost XV cartridge for an economy-priced automatic turntable or a lightest-tracking model for the finest manual or automatic turntable, you can be sure of superb performance thanks to Pickering advanced research. All have stylus brush.

XV-15/AME Elliptical. For finest manual and automatic turntables. .0002" x .0009" diamond. 10-30,000 Hz. 35 dB sep. 3/4-1 1/2 grams. 13 B 3931 S. Shpg. wt., 3 oz. \$5 Monthly.....49.95

XV-15/AM Conical. For manual turntables, light-tracking automatics. .0007" diamond. 10-25,000 Hz. 35 dB sep. 3/4-3 grams. 13 B 3936 S. Shpg. wt., 3 oz. \$5 Monthly.....39.95

XV-15/ATE Elliptical. For automatic turntables. .0004" x .0009" diamond stylus. 10-25,000 Hz. 35 dB sep. 1-4 grams. Shpg. wt., 3 oz. 13 B 3932 S. \$5 Monthly.....44.95

XV-15/AT Conical. For automatic turntables including economy models. .0007" diamond. 10-25,000 Hz. 35 dB sep. 1 1/2-5 grams. Wt., 3 oz. 13 B 3937 S. \$5 Monthly.....34.95

13 B 3940 S. XV-15/AC Conical. For automatic turntables including economy models. .0007" diamond. 10-25,000 Hz. 2-6 grams. 3 oz. 29.95

World-Famous V and P Series Pickering Cartridges



D
V15 Series
V15/AC-3



E
P/AT-1



F
P/AC-1

D V15/AME-3 Elliptical. Includes famed "Dustomatic" brush that automatically cleans record grooves. Has 15° .0002" x .0009" diamond stylus. Response: 20-25,000 Hz. 35 dB sep. 3/4-1 1/2 grams. Wt., 3 oz. 13 B 3890 S. \$5 Monthly.....44.95

D V15/AM-3 Conical. Includes brush. Has .0007" conical-tip diamond. 20-25,000 Hz. Sep.: 35 dB. 3/4-3 grams. Shpg. wt., 3 oz. 13 B 3893 S. \$5 Monthly.....34.95

D V15/ATE-3 Elliptical. Includes brush. Has .0004" x .0009" diamond stylus. 20-25,000 Hz. Sep.: 35 dB. 2-5 grams. 3 oz. 13 B 3892 S. \$5 Monthly.....39.95

D V15/AT-3 Conical. Includes brush. .0007" diamond. 20-25,000 Hz 35 dB. 1-5 grams. 13 B 3894 S. Wt., 3 oz. \$5 Monthly.....29.95

D V15/ACE-3 Elliptical. Has brush. .0004" x .0009" diamond. 20-20,000 Hz. Sep.: 30 dB. 3-5 grams. 13 B 3929 S. Wt., 3 oz. \$5 Monthly.....29.95

D V15/AC-3 Conical. .0007" diamond. 20-20,000 Hz. Sep.: 30 dB. 3-7 grams. 3 oz. 13 B 3897 S. \$5 Monthly.....24.95

E P/AT-1 Conical. For economy automatics. .0007" diamond. 20-15,000 Hz. 2-5 grams. 13 B 3917 S. Shpg. wt., 3 oz.....19.95

F P/AC-1 Above, but tracks at 3-7 grams. 13 B 3918 S. 3 oz.....17.95

SHURE "Dynetic" Magnetic Stereo Cartridges



A M55E Elliptical. Has 15°.0002" x .0007" elliptical diamond stylus for superior tracking, and clearer sound. Response: 20 to 20,000 Hz. Compliance: 25x10⁻⁶ cm/dyne. Sep.: 25 dB. Tracks 4-1½ grams. Wt., 6 oz.
3 B 3827 S. \$5 Monthly..... 35.50

B M44C Conical. Has 15°.0007" conical-tip diamond stylus. Response: 20 to 20,000 Hz. Compliance: 7.5x10⁻⁶ cm/dyne. Sep.: 25 dB. 3-5 grams.
3 B 3934 S. Wt., 4 oz..... 17.95

M75E Elliptical. (Not illus.) .0007" x .0002" diamond. 20-20,000 Hz. 25x10⁻⁶ cm/dyne. 25 dB sep. ¾-1½ gm. 6 oz.
13 B 3993 S..... 39.50

C M3D Conical. Has .0007" conical-tip diamond stylus. 20 to 15,000 Hz. 3-6 grams. 3 oz.
13 B 3900 S..... 11.76

D M7/N21D Conical. .0007" conical diamond. 20 to 20,000 Hz. 9x10⁻⁶ cm/dyne. Sep.: 20 dB. 1-2½ grams. Wt., 3 oz.
13 B 3915 S..... 17.95

E M44E Elliptical. Features .0004" x .0007" elliptical diamond stylus. Response: 20 to 20,000 Hz. Compliance: 15x10⁻⁶ cm/dyne. Separation: 25 dB. 1¾-4 grams. Wt., 6 oz.
13 B 3887 S. \$5 Monthly..... 34.50

F M44-7 Conical. Has retractable needle for added record protection, 15°.0007" diamond stylus. 20-20,000 Hz. 20x10⁻⁶ cm/dyne. Separation, 25 dB. Tracks 1 to 2½ grams. 6 oz.
13 B 3820 S..... 19.95
13 B 3810 S. M44-5. Above, but .0005" stylus. 25x10⁻⁶ cm/dyne. ¾-1½ grams. Wt., 6 oz..... 21.95

G M31E Elliptical. Features .0002" x .0007" diamond stylus. Response: 20-18,500 Hz. Compliance: 15x10⁻⁶ cm/dyne. Separation: 20 dB. Tracks 1-2 grams. Shpg. wt., 3 oz.
13 B 3877 S. \$5 Monthly..... 27.50
13 B 3879 S. M32E Elliptical. Has .0004" x .0007" diamond stylus. 20-17,500 Hz. 10x10⁻⁶ cm/dyne. Tracks 2½-5 grams. Wt., 3 oz..... 25.00

15 Type II Elliptical "Super Track." Professional quality. Has 15° elliptical .0002" x .0007" diamond stylus. 20-20,000 Hz. Compliance: 25x10⁻⁶ cm/dyne. Separation: 25 dB. Tracks ¾-1½ grams. Wt., 6 oz.
3 B 3886 S. \$5 Monthly..... 67.50



ADC Stereo Magnetic Cartridges

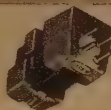


H New 10E MKII Elliptical. ADC's finest 15°.0007" x .0003" dia. 10-20,000 Hz. 35x0-6 cm/dyne. 1½-1 gram.
3 B 3834 S. 4 oz..... 59.50

J Point-Four-E Ellipt. 15°.0007" x .0003" dia. 10-20,000 Hz. 10 dB. ¾x1½ grams.
3 B 3832 S. 3 oz..... 39.50

J 770 Conical. 15°.0007" diamond. 10-20,000 Hz. 15x0-6 cm/dyne. 2-6 grams.
3 B 3831 S. 3 oz..... 17.95

Great Cartridge Values
990E
220



New 990E Elliptical. Has 15°.0007" x .0003" elliptical diamond stylus. Response: 10-18,000 Hz. Compliance: 18x10⁻⁶ cm/dyne. Separation: 20 dB. Tracks from 1½-4 grams.
13 B 3840 S. Wt., 4 oz..... 19.95

New 220 Conical. Has 15°.0007" conical-tip diamond stylus. Response: 10-18,000 Hz. Compliance: 15x10⁻⁶ cm/dyne. Separation: 20 dB. 2-5 grams.
13 B 3967 S. Wt., 4 oz..... 9.95

Grado and Sonotone Cartridges



K Grado BTR Conical. Has .0007" conical-tip diamond stylus. Strain-generator element. Adjustable compliance. Separation: 25 dB. Tracks at 2½ grams. Shpg. wt., 3 oz.
13 B 3998 S..... 9.95

L Grado BTE Elliptical. Has .0006" x .0003" elliptical diamond stylus. Strain generator element. Adjustable compliance. Sep.: 25 dB. Tracks at 2½ grams.
13 B 3999 S. 3 oz. \$5 Monthly..... 19.95

M Sonotone 9TAFHC-D77V Conical. Dual .0007" diamond styli. Ceramic type. Matches magnetic inputs. 20-20,000 Hz. 1½-4 grams.
13 B 3823 S. Wt., 9 oz..... 14.55

Manufacturer's Exact Replacement Needles for Stereo Hi-Fi Cartridges

All made by original cartridge manufacturer. *Has dual .0007" diamond tips.

Stock No.	Mfr.	Type	Size	For	EACH	Stock No.	Mfr.	Type	Size	For	EACH
13 B 3836 S	Shure	VN2E	Ellipt.	V-15	25.00	13 B 3322 S	Pick.	4507AM	.0007"	XV15/AM	22.95
13 B 3231 S	Shure	VN1SE	Ellipt.	V-15 Type II	27.00	13 B 3323 S	Pick.	4500ATE	.0007"	XV15/ATE	24.95
13 B 3317 S	Shure	N31E	Ellipt.	M31E	15.00	13 B 3324 S	Pick.	4507AT	.0007"	XV15/AT	14.95
13 B 3318 S	Shure	N32E	Ellipt.	M32E	13.50	13 B 3303 S	Pick.	4507AC	.0007"	XV15/AC	12.40
13 B 3808 S	Shure	N99	.0007"	M99 Series	12.95	13 B 3908 S	Empire	S880P-6RD	.0006"	880P	12.95
13 B 3837 S	Shure	N44-5	.0005"	M44-5	11.35	13 B 3845 S	Empire	S880PE-ERD	Ellipt.	880PE	18.95
13 B 3838 S	Shure	N44-7	.0007"	M44-7, M98/A	9.75	13 B 3906 S	Empire	S880-7RD	.0007"	880	9.95
13 B 3923 S	Shure	N21-D	.0007"	M7, M3/N21D	12.50	13 B 3859 S	Empire	S888P-6RD	.0006"	888P	13.95
13 B 3839 S	Shure	N55E	Ellipt.	M55E, M80Series	20.00	13 B 3860 S	Empire	S888PE-ERD	Ellipt.	888PE	15.95
13 B 3920 S	Shure	N3D	.0007"	M3D, M7D, M8D	7.95	13 B 3861 S	Empire	S888-7RD	.0007"	888	10.95
13 B 3862 S	Shure	N44C	.0007"	M44C	9.75	13 B 3232 S	Empire	S888E-ERD	Ellipt.	888E	17.45
13 B 3312 S	Shure	N44E	Ellipt.	M44E	18.00	13 B 3304 S	Empire	S888SE-ERD	Ellipt.	888SE	22.45
13 B 3866 S	Pick.	PD07/C	.0007"	P/AC-1	9.15	13 B 3325 S	Empire	S808E-ERD	Ellipt.	808E	14.95
13 B 3843 S	Pick.	D1500AME-2	Ellipt.	V15/AME-1, 2	19.90	13 B 3326 S	Empire	S808-7RD	.0007"	808	10.95
13 B 3305 S	Pick.	D1500AME-3	Ellipt.	V15/AME-3	24.95	13 B 3328 S	Empire	S88TE-ERD	Ellipt.	888TE	24.95
13 B 3306 S	Pick.	D1500ATE-3	Ellipt.	V15/ATE-3	22.50	13 B 3329 S	Empire	S999VE-ERD	Ellipt.	999VE	36.95
13 B 3308 S	Pick.	D1507AT-3	.0007"	V15/AT-3	13.75	13 B 3330 S	ADC	R12-E	Ellipt.	10E, 10E MK II	22.50
13 B 3309 S	Pick.	D1500ATE-2	Ellipt.	V15/ATE-2	17.90	13 B 3847 S	ADC	R-4/E	Ellipt.	Point-Four-E	25.00
13 B 3863 S	Pick.	D1507AT-2	.0007"	V15/AT-2	10.95	13 B 3849 S	ADC	R-770	.0007"	770	10.00
13 B 3319 S	Pick.	D1500ACE-3	Ellipt.	V15/ACE-3	20.40	13 B 3870 S	ADC	R-6E	Ellipt.	660E	18.00
13 B 3320 S	Pick.	PD07/T	.0007"	P/AT	9.90	13 B 3331 S	ADC	R20	.0007"	220	7.00
13 B 3959 S	Pick.	D3807C	.0007"	380C	10.90	13 B 3853 S	Sonot.	N916HC-D77	*	9TAFHC-D77V	3.00
13 B 3805 S	Pick.	D3807ATG	.0007"	38ATG Series	12.00	13 B 3332 S	Grado	BTR/S	.0007"	BTR	7.50
13 B 3331 S	Pick.	4500AME	Ellipt.	XV/15AME	26.95	13 B 3333 S	Grado	BTE/S	Ellipt.	BTE	12.50

EMPIRE



398G
Alone
\$164⁹⁵

With
Cartridge
\$164⁹⁶
\$9 monthly

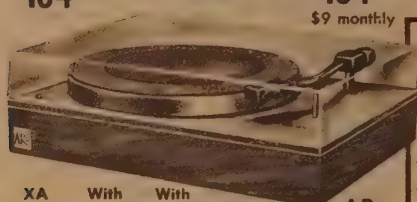
Turntable-Cartridge Values

EMPIRE 398G WITH \$49.95 CARTRIDGE FOR 1¢ MORE

EMPIRE
888TE SUPER-
ELLIPTICAL
CARTRIDGE
only 1¢ more



Outstanding
Stereo
Performance



XA With With
Alone Conical Elliptical
\$78⁰⁰ \$78⁰¹ \$83⁰⁰

AR

AR "XA" Turntable with Cartridge for 1¢ More

CHOICE OF
STEREO
CARTRIDGE
only 1¢ more



Empire
888
Reg. \$24.95



Shure
M44-5
Reg. \$21.95



Pickering
V15/AC-3
Reg. \$24.95

A winning, money-saving hi-fi combination. Empire professional-quality turntable ensemble with walnut base, and Empire 888TE a superior "Super Elliptical" cartridge for only 1¢ more. Turntable's hysteresis motor on isolated suspension boasts belt-drive turn 6-lb. balanced aluminum table. Top-plate belt positioning for 33 $\frac{1}{3}$, 45, or 78 rpm. Finished in rich satin-gold. Size, 7 $\frac{1}{2}$ x 17 x 15. For 110-120 volts, 60 Hz AC. Shpg. wt. 28 lbs.

13 B 0062 DU. With Cartridge. 164.95
13 B 3092 U. 398G, Less Cartridge. 164.95

Save Up to \$24.94. 12" arm, walnut base, plastic dust cover, cable, plus cartridge for 1¢ more. Belt drive for 33 $\frac{1}{3}$, 45-rpm. Viscous damped arm. Has 3 $\frac{1}{2}$ -lb. aluminum table. 5 $\frac{1}{2}$ x 16 $\frac{1}{2}$ x 12 $\frac{1}{2}$ ". 115 VAC. Empire, Pickering or Shure cartridge—specify. 20 lbs.

13 B 0066 CDU. With Cartridge. 78.00
13 B 3119 U. XA Alone. 78.00

XA Outfit with Elliptical-Stylus Cartridge. Save Up to \$34.95. Above, with Empire 888TE or Pickering V15/ATE-3 cartridge.
13 B 0069 CDU. Specify Cartridge. 83.00

Bogen Four-Speed Turntable with Conical-Tip Cartridge for 1¢ more

Base optional



With Cartridge \$49⁹⁶ B-52S Alone \$49⁹⁵

CHOICE OF CARTRIDGE

only 1¢ more



Empire
888
Reg. \$24.95



Shure
M44-5
Reg. \$21.95



Pickering
V15/AC-3
Reg. \$24.95



B-62 Alone \$67⁹⁵ With Conical \$67⁹⁶ With Elliptical \$72⁰⁰

B-52S Turntable and Cartridge

Save Up to \$24.94. Counterweighted arm, cueing control, click-stop settings for 16 $\frac{2}{3}$, 33 $\frac{1}{3}$, 45, 78 rpm, plus variable-speed control from 29-86 rpm. 11" table. 4-pole motor. 3 $\frac{1}{2}$ x 14 $\frac{1}{2}$ x 11 $\frac{1}{4}$ ". For 115 VAC. Empire 888, Pickering V15/AC-3 or Shure M44-5 cartridge. 16 lbs.

13 B 0075 CDU. Specify Cartridge. \$5 Monthly. 49.96
13 B 3294 U. B-52S Alone. 49.95
13 B 3293 X. PB9 Walnut Base. 3 lbs. 5.90
13 B 3040. Extra Aluminum Plug-In Head. 6 oz. 4.00

B-62 Turntable and Cartridge

Save Up to \$24.94. 4-speed click-stops, plus variable speed adjustment, 29-86 rpm. 15 $\frac{1}{2}$ x 13 $\frac{1}{4}$ ". 115 VAC.

13 B 0074 CDU. Wt., 23 lbs. Specify Cartridge. 67.95
13 B 3277 X. B-62 Alone. 67.95
13 B 3278 X. PB7 Walnut Base. Wt., 3 lbs. 5.90
13 B 3221 X. COV-1 Dust Cover. Wt., 2 lbs. 5.90
13 B 3039. Extra Aluminum Plug-In Head. Wt., 6 oz. 4.00
13 B 0076 CDU. Save \$39.95. With Empire 888E or Pickering V15/ATE-3 Elliptical Cartridge—specify. 72.00

Pickup Arms, Preamps, and Stereo FM Multiplex Adapter



\$39⁹⁵

Empire Model 980G 12" Stereo Pickup Arm. Features superb dynamic balance—can actually track upside down! Tracking error, ± 0.650 . Arm resonance, 6 Hz. Force, 8 grams. Overhang adjustment. Rich satin-gold finish. Less cartridge. 5 lbs.

13 B 3098 X. \$5 Mo. 39.95
13 B 3100. BM980 Extra Cartridge Mounting. 3 oz. 1.95



\$34⁹⁵

Rek-O-Kut Model S-320" Stereo Pickup Arm. Exact lateral balance is assured by specially designed, exclusive Rek-O-Kut "Omni-Balance" feature. Isolated counterweight. Single-hole mounting. Less cartridge. Shpg. wt., 2 $\frac{1}{2}$ lbs.

13 B 3020 X. \$5 Mo. 34.95
13 B 3024. PS-20L Extra Plug-In Head. 6 oz. 5.95



A Fisher PR-6 Monaural Preamp. For mag. cart., tape head, mike. to drive amplifier without magnetic input.

13 B 2049. For 115 VAC. Wt., 1 lb. 16.95



B Shure M-65 Stereo Preamp. Converts ceramic, crystal inputs to magnetic. 6 $\frac{1}{2}$ x 3 $\frac{1}{2}$ x 3 $\frac{1}{4}$ ". 115 VAC.

13 B 3102. 5 lbs. \$5 Monthly. 23.95

13 B 3103. As above, but transistorized. 1 lb. 27.95



C Eico MX99K Multiplex Adapter Kit. Plugs into tuner multiplex adapter jack. 4 x 9 x 6 $\frac{1}{2}$ ". Case below. 115 VAC.

13 B 2321 X. Wt., 10 lbs. \$5 Monthly. 36.95

13 B 2329 X. Factory Assembled. \$5 Monthly. 59.95

13 B 2322 X. Metal Case. Shpg. wt., 3 lbs. 2.95

Allied's Knight Brand—Quality Speaker Systems

night Speaker Systems are an Allied exclusive, developed by America's leading designers for both the sophisticated and the casual listener. Prices are lower, —we invite you to compare. Don't be satisfied with less than Knight quality.

CHOOSE KNIGHT...GET ALL OF THESE ADVANTAGES

Complete Line of Speaker Systems. A speaker system for every pocket book —complete price range from \$9.95 to \$149.95.

Money-Back Guarantee. Every Knight speaker is guaranteed by Allied. You must be satisfied with your purchase. See page 3.

You Can Expect Quality! Finest quality components are used for best sound. Cabinets feature fine furniture veneers.

Our Finest Hi-Fi Speaker System

FOR HI-FI SOUND ONLY A 15" SYSTEM CAN OFFER



KNIGHT®

SPEAKER SYSTEMS

Superior Features Give You Outstanding Sound

Die-Cast Compression Midrange Horn

Dome Radiator VHF Tweeter



With Base

\$149⁹⁵

\$8 monthly



Knight KN-2380 3-Way 15" Hi-Fi Speaker System

We are justifiably proud of this speaker system—it's our very best! There is no other system to be found with these features at this price. Giant 15" woofer with 1 3/4-lb. ceramic magnet reproduces deep organ-like bass notes. Ultra-smooth midrange and dome-radiator tweeter complement the phenomenal high-compliance woofer to give you a frequency response of 20 Hz to beyond audio range.

The hand-sculptured solid-walnut moldings, the flush-grooved 3 1/4-inch base, the richly accented grille cloth, and the fine furniture veneers all combine to place the KN-2380 in a special class of its own. Evidence of careful hand-crafting throughout will give you a sense of ownership for many years to come.

Operates equally well vertically on floor base or horizontally on shelf. 1-inch hardwood construction throughout eliminates possibility of unwanted resonances. Finished in luxurious hand-rubbed oiled walnut veneer on all four sides. Includes a handsome satin-black base for floor use. Size, 30 1/4 x 20 1/2 x 14". 55 lbs. Shipped express.

Model B 9514 Z. \$8 Monthly. **149.95**

SPECIFICATIONS

Overall Frequency Response: 20 Hz to beyond audio range. **Woofer:** 15-inch high compliance; cloth-roll suspension. 1 3/4-lb. ceramic magnet. 1 1/2-inch voice coil. Voice coil excursions of up to 1 1/8 inches. Flux density, 6975 gauss. Resonance, 16 Hz. Response of 20-2000 Hz. **Midrange:** die-cast compression horn. 2.5-oz. ceramic magnet. Flux, 8100 gauss. 1-inch voice coil. Response of 2000-10,000 Hz. **Tweeter:** dome radiator. 2.5-oz. ceramic magnet. 1-inch voice coil. Flux, 12,200 gauss. Response of 10,000 Hz to beyond audio range. **Crossovers:** 2000 and 10,000 Hz. Separate level controls for midrange speaker and tweeter. **Power Handling Capacity:** 50 watts, 100 watts peak. **Voice Coil Impedance:** 8 ohms.

Buy Extra-Value Knight Speakers on Allied's Credit Fund Plan

ALLIED 61

NEW!

**ADVANCED
ENGINEERING**



KN-2390 12" 3-Way Acoustic-Suspension Speaker System

\$129⁹⁵
\$7 monthly

Deluxe Features Throughout

- Acoustic-Suspension Construction for Powerful Bass Response Down to 20 Hz
- 12" High-Compliance Woofer with 90% Wool Cone for Flawless Performance
- Giant 2 1/2" 4-Layer Woofer Voice Coil for Maximum Transfer of Energy from Magnet
- 1 1/4" Dome-Radiator Tweeter for Excellent Dispersion of High Frequencies

This speaker system boasts the latest advances in audio engineering. The unprecedented bass response, attained by careful selection of mass, compliance and magnetic characteristics, yields unmatched damping and transient response. Famous acoustic-suspension gives exceptional purity of tone over the entire audio range. It's Knight's finest bookshelf system ever!

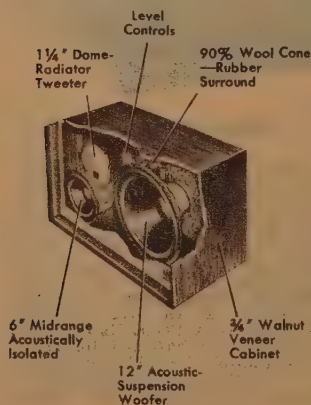
This exceptional system passes the new tone-burst test with flying colors. "Bursts" of sound are fed to a speaker to determine its ability to follow complex musical patterns. This is the "acid test" for a fine speaker system. On a superior unit such as this meets its criteria.

The big 12" woofer has 3-lb. Alnico V magnet structure, 2 1/2" voice coil, special fibrous cone of 90% wool and 10% cellulose; acoustically isolated 6" midrange with 6 1/2-oz. Alnico V magnet; 1 1/4" dome-radiator tweeter with 9.7-oz. ceramic magnet, 180° dispersion. Continuously variable level controls for midrange tweeter. Electrical crossovers at 500, 3000 Hz. Exquisitely styled in luxurious oiled walnut veneer and matching grille cloth. Protective invisible coat prevents stains and marring of wood. 14x25x13 1/2". Shipped express.

20 B 9524 Z. Shpg. wt., 50 lbs. \$7 Monthly. **129.95**

SPECIFICATIONS

Overall Frequency Response: 20 Hz to beyond audio range. **Woofer:** 12-inch acoustic-suspension, high compliance, 3-lb. Alnico V magnet structure, 800 gauss. 2 1/2", 4-layer voice coil. Frequency response, 20-500 Hz. **Midrange:** cone-type with 6 1/2-oz. Alnico V magnet. Flux, 7000 gauss. 1 1/2" voice coil. Frequency response, 500-3000 Hz. **Tweeter:** 1 1/4" dome-type, 180° dispersion 9.7-oz. ceramic magnet. Response to beyond audible range. **Crossovers:** 500 and 3000 Hz. **Power Handling Capacity:** 40 watts (80 watts peak). **Impedance:** 8 ohms.



Deluxe 12" 3-Way Shelf Speaker System

ACOUSTIC SUSPENSION, ELEGANT STYLING AND SUPERIOR PERFORMANCE

NEW!

**PROFESSIONAL
QUALITY**



New KN-2350B 3-Way Acoustic-Suspension 12" System

Professional-Quality Performance • Use Horizontally or Vertically on Shelf or Floor
Distortion-Free Bass Down to 20 Hz • Wide Dispersion Midrange and Tweeter Horns
¾" Oiled Walnut Veneer Cabinet • Midrange and Treble Controls
Enclosure Completely Filled with Glass Wool to Prevent Resonance

All new! Exciting professional-quality speaker system for less than \$100. You'll be delighted with its performance—surpassing many other 12" systems costing far more. Renowned acoustic-suspension principle puts out clean, powerful bass all the way down to 20 Hz. Harmonic distortion is practically non-existent. All you hear is pure sound—superbly natural.

System includes a 12-inch high-compliance bass woofer; compression driver and wide-dispersion Cycloac midrange diffraction horn; VHF tweeter with diffraction horn. Separate midrange and treble level controls permit you to adjust system to best room acoustics. Remaining enclosure space is completely filled with glass wool to prevent resonance.

Magnetic damping for excellent transient response. Exquisite cabinet design in distinguished solid-walnut molding. Oiled walnut veneer finish protected by transparent top coat. This remarkable new finish not only makes the enclosure mar and stain resistant, but also improves the acoustic quality of the enclosure. Complete with a luxurious matching brown grille cloth. Size, 14x25x13½". Shpg. wt., 49¼ lbs.

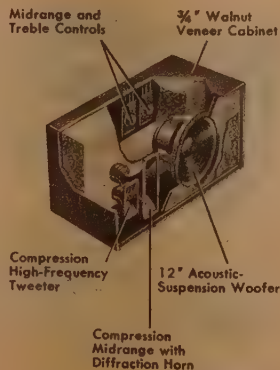
9 B 525 U. \$5 Monthly. \$99.95

SPECIFICATIONS

Overall Frequency Response: 20 Hz to beyond audio range. **Woofer:** 12-inch acoustic-suspension, high compliance. 1½-lb. magnet. Flux, 11,500 gauss. 2-inch voice coil. Frequency response, 20-1000 Hz. **Midrange:** compression type with diffraction horn. Flux, 16,600 gauss. 1-inch voice coil. Frequency response, 200-5000 Hz. **Tweeter:** Compression type with diffraction horn. 4-oz. Alnico magnet. 1-inch voice coil. Response to beyond audio range. **Crossovers:** 1000 and 5000 Hz. **Power Capacity:** 35 watts (70 watts, peak). Requires 14 watts minimum. **Impedance:** 8 ohms.

\$99⁹⁵
\$5 monthly

Look at These Features!



Night Hi-Fi Speakers Offer You Superior Performance

ALLIED 63



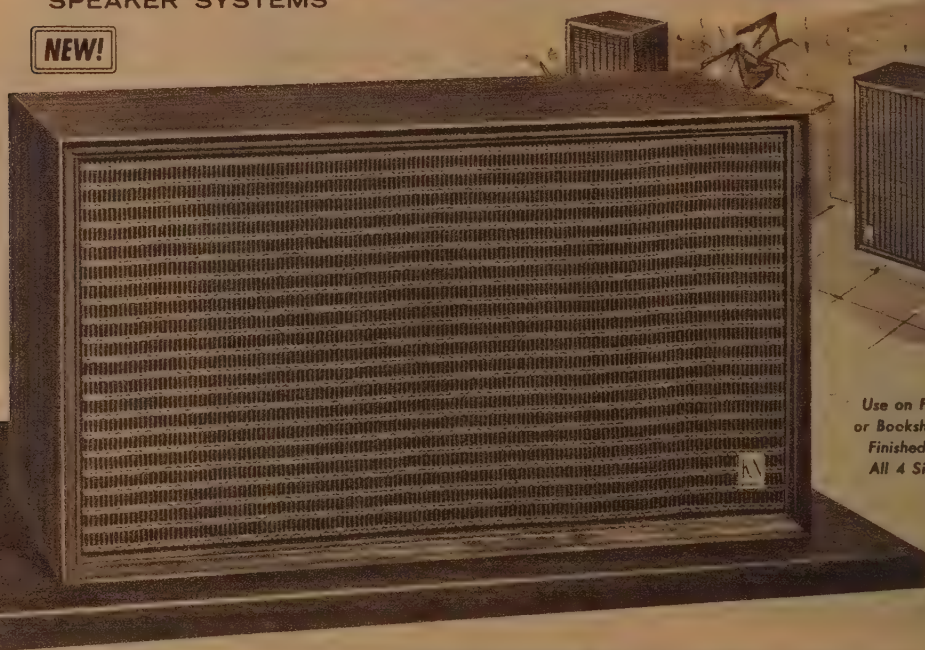
KNIGHT

SPEAKER SYSTEMS

NEW!

Acoustic-Suspension System

BUILD THE 3-WAY SPEAKER KIT—SAVE \$20.00



Use on Floor
or Bookshelf—
Finished on
All 4 Sides

KN-2300CK 3-Way 12" Speaker System Kit

Easy-to-Build Kit Form	Assembled and Finished
\$69⁹⁵	\$89⁹⁵
\$5 monthly	\$5 monthly

- Bass Down to 25 Hz Without Booming • Tweeter Responds Beyond 20,000 Hz
- Compression Midrange with Diffraction Horn • Compression Tweeter
- ¾" Hardwood with Oiled Walnut Veneer • Luxurious Sculptured Molding
- Includes Everything Needed for Easy Assembly—Takes Only a Screwdriver

Deluxe Features



Sensational new version of our famous KN-2300BK acoustic-suspension speaker system kit, and you save \$20.00 by assembling it yourself! Everything you need is supplied. Requires no soldering—takes only a screwdriver to assemble. You just rub in oil (supplied) for a professional-looking oiled walnut veneer finish.

3-way acoustic-suspension system with fiberglass insulation. 12-inch woofer has high-compliance cloth-roll suspension for large excursions of 2" voice coil without introducing harmonic distortion. 30-oz. Alnico V magnet. You hear thrilling bass all the way down to 25 Hz! Handles high-power amplifiers, yet performs well with only a 10-watt (IHF) input. Midrange speaker gives crisp, clean response. Tweeter has wide-angle dispersion and responds beyond 20,000 Hz. L-C crossover at 1000 and 5000 Hz. High-frequency balance control lets you adjust highs for best room acoustics.

Solid ¾-inch paneling, plus luxurious new sculptured solid-walnut molding and contemporary beige color grille cloth. Special weave in grille cloth permits unrestricted passage of all audio frequencies. Operates equally well in horizontal or vertical position. Impedance: 8 ohms. Size, 14x25x13½" deep.

20 B 9562 U. Shpg. wt., 49 lbs. \$6 Monthly **69.95**
20 B 9561 U. KN-2300C. Assembled, Finished in Oiled Walnut Veneer **89.95**

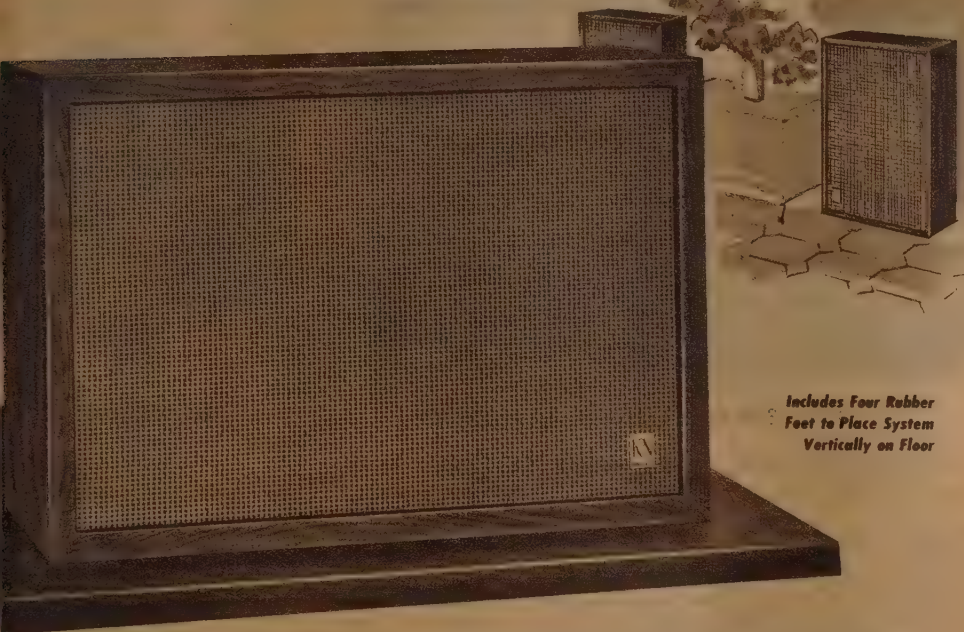
SPECIFICATIONS

Overall Frequency Response: 25 Hz to over 20,000 Hz. **Woofer:** 12-inch acoustic-suspension, high-compliance, cloth-roll. 30-ounce ceramic magnet. Flux, 12,000 gauss. 2-inch voice coil. Response, 25-10000 Hz. **Midrange:** compression driver with wide-dispersion Cycloac diffraction horn and 1.47-ounce Alnico V magnet. Flux, 8500 gauss. ¾-inch voice coil. Response, 1000-5000 Hz. **Tweeter:**

compression type, ring-radiator with 1.47-ounce Alnico V magnet and ¾-inch voice coil. Response, 5000 Hz to beyond 20,000 Hz. **Crossover Network:** electrical crossovers at 1000 and 5000 Hz. **Power Handling Capacity:** 30 watts (60 watts, peak). Requires 10 watts IHF minimum to operate. **Voice Coil Impedance:** 8 ohms. **Overall Size:** 14x25x13½ inches deep. **Controls:** tweeter balance.

Contemporary "Thinline" 3-Way Speaker System

ASSEMBLE THE KIT YOURSELF AND SAVE \$15.00



Includes Four Rubber Feet to Place System Vertically on Floor

Easy-to-Build Kit Form

\$59⁹⁵

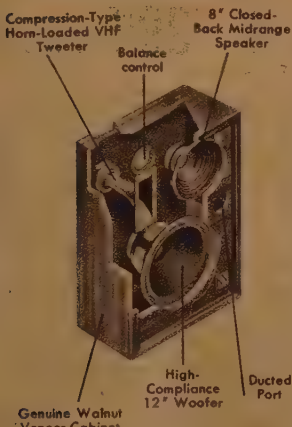
\$5 monthly

Assembled and Finished

\$74⁹⁵

\$5 monthly

All Deluxe Features



KN-2260K 3-Way 12" Speaker System Kit

- Walnut Veneer Is Sanded and Ready to Finish, Just Apply Oil with Soft Cloth
- Everything You Need Is Included—Even Wire, Finishing Oil, Instructions
- 3-Way System Has 12" Woofer, 8" Midrange, Horn-Loaded VHF Tweeter
- Magnificent Contemporary Cabinet Styling plus Impressive Sound Quality

Enjoy dazzling music reproduction at a modest price. Sounds superior to many systems costing far more. Have the fun of assembling and finishing the system yourself and save a big \$15.00, too. It's easy to assemble . . . time required for assembly is usually less than two hours. To apply finish, just rub in oil (supplied) for a beautiful hand-crafted-furniture look.

You'll be delighted with the professional results. Big 12-inch high-compliance woofer gives you smooth bass down to 30 Hz. An 8-inch closed-back midrange speaker, specially designed for the middle frequencies, provides excellent sound over the entire middle range. Compression tweeter gives sparkling treble response without shrillness or strident tones.

Reflex-type enclosure boasts acoustic insulation and precision-tuned port to prevent unwanted resonances. Acoustically transparent grille cloth assures unrestricted passage of all audio frequencies. With all hardware, wire, finishing oil, four rubber feet for vertical use, and complete easy-to-follow assembly instructions. Size, 17x25x8" deep. Shpg. wt., 40 lbs.

20 B 9555 U. \$5 Monthly. **59.95**
20 B 9556 U. KN-2260 Factory Assembled and Completely Finished in Oiled Walnut. Shpg. wt., 40 lbs. \$5 Monthly. **74.95**

SPECIFICATIONS

Overall Frequency Response: 30-20,000 Hz. **Woofer:** 12-inch high-compliance type with heavy 3/4-pound ceramic magnet, 1-inch voice coil. **Frequency response:** 30-3000 Hz. **Midrange:** 8-inch closed-back cone with 10-ounce ceramic magnet and 1-inch voice coil. **Frequency response:** 3000-8000 Hz. **Tweeter:** compression type with alloy die-cast horn, 2 1/2-ounce ceramic magnet and 1/8-inch

voice coil. **Tweeter** has 140-degree dispersion angle. **Frequency response:** 8000-20,000 Hz. **Crossover Network:** electrical at 3000 and 8000 Hz. **Power Handling Capacity:** 25-watts (50 watts, peak). **Voice Coil Impedance:** 8 ohms. **Type of Enclosure:** reflex with precision-tuned ducted port. **Size of Enclosure:** 17x25x8 inches deep. **Material:** 3/4-inch hardwood paneling with walnut veneer.

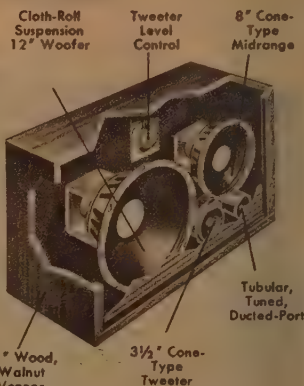


KNIGHT

SPEAKER SYSTEMS

Build This Kit—Save \$20.00

MODERN EYE-CATCHING DECORATOR STYLING



KN-2330K 3-Way 12" Speaker System Kit

Kit Form	\$49⁹⁵	\$5 monthly	Assembled and Finished	\$69⁹⁵	\$5 monthly
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It's by far the best buy in the moderate-priced speaker system field, and you save \$20.00 by building it yourself! You get three separate, matched speakers including a full-size 12" woofer. Frequency response is 30 to 18,000 Hz! You hear everything from the powerful bass of the pipe organ to top-register violin harmonics. Assembly is simple, too—usually takes less than an hour. Deluxe walnut veneer enclosure has sculptured molding and custom grille cloth. 12" high-compliance woofer has special cloth-roll suspension. Fiber-glass insulation and 3/4" hardwood panels assure solid, resonance-free bass. 8" midrange performs smoothly from 2000 Hz and high-frequency tweeter takes the upper range with ease. With hardware, wire, finishing oil and easy-to-follow instructions. 14 1/2 x 24 x 10". Shpg. wt., 33 lbs.

20 B 9509 U. Kit Form. \$5 Monthly. **49.95**
 20 B 9520 U. KN-2330. Factory Assembled and Oiled Walnut Finished. **69.95**

SPECIFICATIONS

Response: 30-18,000 Hz.

Woofer, 12-inch, cloth-roll suspension. 10-ounce Alnico V magnet. 1 1/2-inch copper voice coil. 30-2000 Hz.

Midrange: 8-inch cone. 2.15-ounce Alnico V magnet. 1-inch voice coil. Response, 2000-5000 Hz.

Tweeter: 3 1/2-inch cone. 1.47-ounce Alnico VIII permanent magnet. 3/16" voice coil. Response, 5000-18,000 Hz.

Crossover Network: electrical at 2000, 5000 Hz.

Power Handling Capacity: 30 watts (60 watts peak).

Voice Coil Impedance: 8 ohms.

Controls: one high-frequency level.

NEW!

KN-2310K Ultra-Compact Speaker System Kit



Kit Form

Assembled-Finished

\$29⁹⁵
\$5 monthly

\$39⁹⁵
\$5 monthly

New, unique speaker design gives you big speaker sound from an ultra-compact enclosure—only 5 5/8 x 10 3/8 x 7". It's so small you can hold it in the palm of your hand. Perfect for those with very limited space who demand full-frequency, true-to-life sound. Easy to build, too—assembles in an hour.

System consists of wide-excursion 4" woofer with cloth-roll suspension for maximum cone travel. Has large 10-oz. magnet and 3/4" voice coil. 3" tweeter has 1.47-oz. Alnico VIII magnet and 3/16" voice coil. Electrical crossover at 4500 Hz enables each speaker to perform at its most effective range while blending into a finely balanced system.

Frequency response, 50-18,000 Hz. Power handling capacity of 15 watts (30 watts, peak) makes it compatible with most amplifiers. Interior of enclosure is designed to damp out standing waves and other spurious vibrations. Voice-coil impedance, 8 ohms. Contemporary styled cabinet in luxurious 5-ply walnut veneer is ready to oil. Acoustically transparent grille cloth assures unrestricted high frequencies. With all parts, finishing oil and instructions.

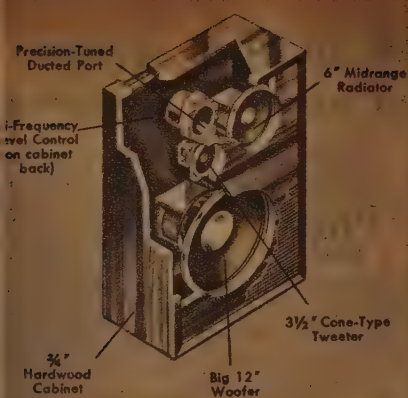
20 B 9526 X. Shpg. wt. 7 3/4 lbs. \$5 Monthly. **29.95**
 20 B 9527 X. KN-2310. Factory Assembled, Finished. 7 3/4 lbs. **39.95**

5-Ply Walnut Veneer Cabinet

3" Tweeter with Alnico VIII Magnet

Cloth-Roll Suspension 4" Woofer





Our Lowest Priced 12" Speaker System Kit

Kit Form

\$39⁹⁵

\$5 monthly

Assembled-Finished

\$54⁹⁵

\$5 monthly



KN-3030AK 3-Way 12" Speaker System Kit

- True 3-Way System with 12" Woofer, 6" Midrange Speaker and Tweeter
- Assemble It in an Hour... Smoothly Sanded Walnut Veneer Ready-to-Oil
- Powerful Bass Response All the Way Down to 35 Cycles per Second

Superior quality and low cost make this speaker system a brilliant engineering achievement! It's fun to build, too, and you *save \$15.00!* There is no compromise of Knight quality craftsmanship. You get luxurious styling, plus true high-fidelity music reproduction at a low, low price. Operates equally well on floor or shelf. It can be assembled in less than an hour with only a screwdriver. King-size woofer with husky magnet for powerful bass down to 35 Hz.

Efficient 6" midrange speaker. Special-design 3½" direct radiator tweeter disperses sparkling treble over a wide listening area. A rear-mounted level control lets you adjust the high-frequency response to suit the room acoustics and your personal listening taste. Built-in electrical crossover network at 400 and 5000 Hz.

Ready-to-oil ¾" hardwood enclosure boasts acoustic insulation, tuned vented-port, beautiful sculptured molding and acoustically transparent cane grille cloth that matches walnut finish. Size, 14½"x24"x9". With all parts, finishing oil and instructions.

20 B 9543 U. Shpg. wt., 28 lbs. \$5 Monthly.....**39.95**
20 B 9545 U. KN-3030A. Factory Assembled and Finished.....**54.95**

SPECIFICATIONS

Overall Frequency Response: 35-17,000 Hz.

Woofer: 12-inch high-compliance type with 10-ounce Alnico V D. D. equiv. magnet, 10,200 gauss flux density, 1½-inch voice coil. Response, 35-400 Hz.

Midrange: 6-inch cone with 3.16-ounce Alnico V magnet, 9400 gauss flux density. ¾-inch voice coil. Response, 400-5000 Hz.

Tweeter: 3½-inch cone-type radiator with 1.47-ounce Alnico V magnet, 8200 gauss flux density. ¾-inch voice coil. Response, 5000-17,000 Hz.

Crossover Network: electrical at 400 and 5000 Hz.

Power Handling Capacity: 30 watts (60 watts, peak).

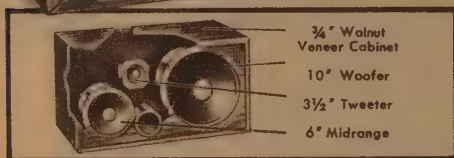
Voice Coil Impedance: 8 ohms.

Cabinet: ¾-inch walnut veneer.

Controls: one high-frequency level.

Get Your Speaker Systems with No Money Down with Allied's Credit Fund Plan

ALLIED 67



KN-3005 3-Way 10" Shelf System— Our Most Popular Low-Priced Model

\$29⁹⁵

- Place Anywhere—only 8" Deep
- 40 Watts Peak Power
- 3/4" Walnut Veneer Cabinet

\$5 monthly • 3 Separate Hi-Fi Speakers

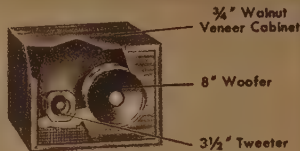
Best sounding system at this low price. Perfectly matched components blend to cover the orchestral range, reproducing the concert hall with magnificent true-to-life sound. Separate 10" woofer, 6" midrange and 3 1/2" tweeter combine for smoothest possible response.

Acoustically isolated tweeter eliminates speaker interaction. Ducted port enhances bass response and eliminates "booming" effect. Sturdy 3/4" wood paneling with oiled walnut veneer; cane grille. 12x22x8". Shpg. wt., 20 1/2 lbs.

20 B 9537 U. \$5 Monthly.....**29.95**

SPECIFICATIONS

Response: 40-16,000 Hz. *Woofer:* 10" with 6.8-oz. Alnico V magnet, 1" voice coil. *Midrange:* 6" with 3.16-oz. magnet, 3/4" voice coil. *Tweeter:* 3 1/2" with 1.47-oz. magnet, 3/8" voice coil. *Crossovers:* 800 and 5000 Hz. *Capacity:* 20 watts, 40 watts peak. *Impedance:* 8 ohms.



**Our Lowest
Priced Hi-Fi
Speaker System**

\$19⁹⁵

\$5 monthly

KN-3002 2-Way 8" Shelf Speaker System

- Sturdy 3/4" Hardwood Construction Finished in Oiled Walnut Veneer
- Compact—Enclosure Only 15" Wide
- Excellent Bass Down to 50 Hz

Designed for excellent sound reproduction at low cost. Compares favorably with 2-way speaker systems costing much more. Shelf-size unit features true 2-way speaker design with independent low and high-frequency speakers. Perfect in pairs for budget-stretching high-fidelity stereo systems or for a second stereo system in rumpus or playroom. Also makes an ideal extension speaker. 8" woofer produces mellow lows down to 50 cycles. Direct-radiator 3 1/2" tweeter gives clean high end. Sturdy 3/4" hardwood cabinet has oiled walnut veneer finish; matching grille cloth. Size, 12 3/8"x15x9". Shpg. wt., 16 1/2 lbs.

20 B 9535 X. \$5 Monthly.....**19.95**

SPECIFICATIONS

Response: 50-15,000 Hz. *Woofer:* 8" with 6-ounce magnet, 1" voice coil. *Tweeter:* 3 1/2" with 1.47-ounce Alnico V magnet and 3/8" voice coil. *Crossover Network:* resistor-capacitor type; tweeter takes-over at 4000 Hz. *Power Capacity:* 15 watts, 30 watts peak. *Impedance:* 8 ohms.



KN-2375 Compact Low-Cost Extension Speaker System

\$9⁹⁵

Have Music Throughout
Your Whole House

- Includes Built-In Volume Control
- 7x5" Speaker, 25' Cable

Here's the extension speaker system you've been waiting for. It's ideal for attachment to phono, radio or TV set. Or use a pair of them for surprisingly good stereo sound. Handsomely styled, moderately priced. Features front-mounted volume control, 7x5" oval speaker with 3/8" voice coil for good response. Genuine walnut veneer with smart cane grille. Includes 25-foot speaker cable with alligator clips attached. 7 1/2"x11 1/2"x3 1/2". Cap., 12-watts, peak. Impedance, 8 ohms.

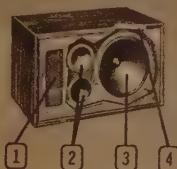
20 B 9544 X. Wt., 3 3/4 lbs.....**9.95**

ALLIED SPECIAL-PURCHASE SPEAKER SYSTEMS

Two Utah "Heritage" 12-inch 3-Speaker Bookshelf Speaker Systems Only \$90⁹⁵



Check These Features



1. Built-In 4500 Hz Crossover Network
2. Twin 5" UHF Tweeters Cover Mid- and High-Frequencies
3. 12" Woofer
4. Hand-Rubbed Oiled Walnut Veneer Finish

Two Speaker Systems for Only

\$90⁹⁵ \$5 monthly

Never Priced Lower

Two Utah HS1-B 3-Speaker Systems

Allied's buying power makes it possible to bring you this sensational speaker system offer. Never priced lower! Take advantage of this great value and complete or improve your stereo system today. You get *two* deluxe two-way, three-speaker systems for the remarkable low price of only \$90.95. The HS1-B is designed to reproduce musical passages with the brilliance and clarity of the original performance. Each system has 12" woofer with dual-diameter magnet equivalent to 21.5-oz. Alnico V magnet and 1½" voice coil; two 5" tweeters; plus built-in crossover network. Sturdy ¾" enclosure is finished in beautiful oiled walnut veneer. Has matching grille cloth. Response: 30-18,500 Hz. Capacity: 40 watts, 80 watts peak. Impedance: 8 ohms. Size each, 15x25¾x14". Shpg. wt., 92 lbs.

20 B 7072 U. Two Speaker Systems..... 90.95

Save \$24.70 on Fisher 10-inch 3-Way Speaker System

Popular XP-6 3-Way Speaker System

Was **\$59⁸⁸** \$5 monthly
\$84.58

- 10" Free-Piston Woofer with 5½-lb. Magnet Structure
- True "Lifelike" Sound from 35-20,000 Hz

Lowest lower-than-ever price on this famous Fisher speaker system designed for those who want a deluxe high-compliance, high-efficiency system. Features 10" free-piston woofer with 5½-lb. magnet structure for excellent low-frequency response. 5" midrange speaker is sealed in Acous-Glas-filled sub-enclosure to prevent acoustic interaction with woofer. Tweeter for superb treble. Response: 35-20,000 Hz. Capacity: 60 watts (10 watts min.). Crossovers: 1000 and 3000 Hz. Impedance: 8 ohms. Walnut veneer finish, 13x23x10½". Shpg. wt., 37 lbs.

0 B 7304 U. \$5 Monthly..... 59.88



Use Allied's Credit Fund Plan for All Your Hi-Fi Needs

ALLIED 69

Acoustic-Research Speaker Systems

FEATURING ACOUSTIC SUSPENSION FOR SUPERB HI-FI SOUND

Acoustic Suspension systems use the sealed-in air around the woofer cone, in place of a mechanical spring. When large cone excursions occur, on low

base passages, this sealed-in air compresses, and acts on the cone with nearly perfect spring-like action for exceptionally fine hi-fi sound.



8-in. Woofer
2½-in. Tweeter

AR-4X 8" 2-Way Bookshelf System

\$5100

Ready-to-Finish

\$5 monthly

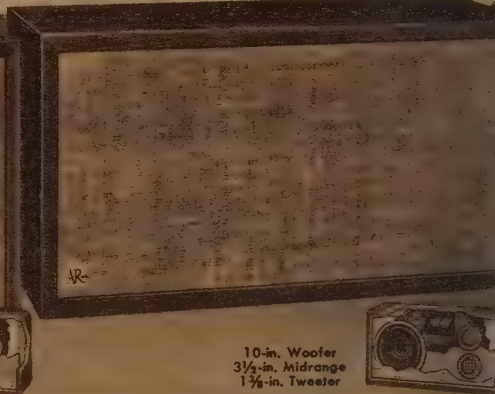
- Lowest Priced AR Speaker System Available
- Delivers Wide Range Natural Sound
- Compact Size—10x19x9" • Level Control

This outstanding two-way bookshelf size speaker system is one of the finest low-cost systems on the market today. Features the famous AR acoustic-suspension design for pure, natural sounding music reproduction. The 8" woofer delivers rich bass response that far exceeds what you would normally get in a unit this size. Specially-designed tweeter provides outstandingly smooth and uniform treble response for life-like reproduction of high-frequency sounds. Built-in tweeter level control lets you adjust highs to suit your listening tastes, or to balance the sound for individual room acoustics. Includes 1200 Hz L-C (electronic) crossover network. Requires amplifier rated at least 15 watts per channel. Impedance, 8 ohms. Compact size, 10x19x9". Shpg. wt., 22 lbs.

20 B 7629 U. Oiled Walnut Finish. \$5 Monthly.....\$7.00

20 B 7628 U. Ready-to-Finish Pine. \$5 Monthly.....\$1.00

20 B 8015 X. Walnut Floor Base. Designed to fit all AR speaker systems. Size, 11x14½x13". Shpg. wt., 3¾ lbs.....\$7.50



10-in. Woofer
3¼-in. Midrange
1½-in. Tweeter

AR-2AX 10" 3-Way System

\$10900

Ready-to-Finish

\$6 monthly

- Extra-Wide-Dispersion Tweeter
- 10" Woofer, ¾-lb. Magnet
- Response of 42-20,000 Hz

One of Allied's fastest-selling systems. Extremely popular because of its excellent performance and moderate cost. Incorporates a powerful 10" acoustic-suspension woofer with ¾-lb. magnet, plus 3¼" mid-range speaker and an efficient 1½" dome type super-tweeter. Cabinet features complete fiberglass packing throughout to dampen internal resonances. Two totally independent level controls adjust mid-range and super-tweeter to suit any acoustical or personal requirements. Built-in L-C crossovers at 2000 and 7500 Hz. Response, 42-20,000 Hz. Requires an amplifier rated at least 20 watts per channel. 8 ohms. 13½x24x11½". Floor base, left, 43 lbs.

20 B 7046 U. Oiled Walnut. \$7 Monthly.....\$128.00

20 B 7044 U. Natural Birch. \$7 Monthly.....\$122.00

20 B 7047 U. Ready-to-Finish Pine. \$6 Monthly.....\$109.00



AR-3 12" 3-Way System



\$20300

Ready-to-Finish

\$11 monthly

AR's finest speaker system—acclaimed by hi-fi experts for its uncolored, natural sound. Has 12" woofer and 2" midrange dome radiator, each with ¾-lb. magnet; 1½" dome tweeter; level controls; L-C crossovers at 1000 and 7500 Hz. Requires amplifier rated at least 25 watts per channel. Imp., 4 ohms. 14x25x11½". Optional base above. Express.

20 B 7624 Z. Oiled Walnut. Wt., 55¼ lbs. \$12 Monthly.....\$225.00

20 B 7149 Z. Natural Birch. \$11 Monthly.....\$216.00

20 B 7002 Z. Ready-to-Finish Pine. \$11 Monthly.....\$203.00



AR-2X 10" 2-Way System

\$8900

Ready-to-Finish

\$5 monthly

- 10" Acoustic Suspension Woofer
- Fiberglass Damped

Features 10" acoustic-suspension woofer 3½" tweeter. Level control; L-C crossover at 2000 Hz. Requires amplifier rated at least 20 watts per channel. Impedance 8 ohms. 13½x24x11½". Optional base above left, 38¼ lbs.

20 B 7050 U. Oiled Walnut.....\$102.00

20 B 7051 U. Ready-to-Finish Pine.....\$89.00

Popular, Deluxe Bookshelf Speaker Systems

E-V Four-A 12" 3-Way System

\$39.50

7 monthly

- 25 Hz to Beyond Audibility
- Extraordinary Transient Response
- Unique 12" Woofer for Rich Bass

Exciting new 3-way speaker system offers excellent music reproduction with any hi-fi system. Each speaker has been individually designed for smoothness; response with lowest possible distortion. Gives uniform dispersion at all frequencies.

Unique 12" woofer design yields superb damping and transient response, even down to 20 Hz. Linear cone excursion of over $\frac{1}{4}$ " guarantees more than adequate transient reserve. Exceptional midrange response is achieved from a 6" cone driver with an oversize $\frac{1}{2}$ " voice coil.

Remarkable $1\frac{1}{4}$ "-soft-dome tweeter has a sealed cavity of air behind the dome for extremely stable performance. Capacity, 30 watts. Impedance, 8 ms. $14 \times 25 \times 11\frac{1}{4}$ ". Walnut veneer finish protected by pure vinyl coat. Shpg. wt., 42 lbs. **\$71.89 U. \$7 Monthly. 139.50**



NEW!

ELECTRO-VOICE

12" Woofer
6" Mid-Range
 $1\frac{1}{4}$ " Tweeter



FISHER

XP-7 12" 3-Way System

\$27.07

monthly

- Four Matched Speakers
- Free-Piston Woofer, 5 1/2-lb. Magnet

Four speakers for exceptional performance. Contains 12" free-piston high-compliance woofer with 5 1/2-lb. magnet; two 5" midrange units; wide-dispersion soft-dome tweeter. L-C crossovers at 300 and 2500 Hz. Response, 30-20,000 Hz. Capacity, 60 watts (10 watts minimum). Impedance, 8 ohms. Scandinavian walnut finish. $24\frac{1}{2} \times 14 \times 12$ ". 47 lbs. **\$73.05 U. \$7 Monthly. 127.07**



UNIVERSITY

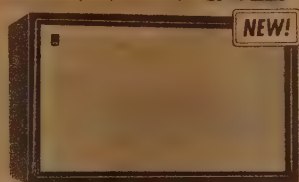
Cantada 12" 3-Way System

\$130.50

\$7 monthly

- 12" Woofer, 2" Voice Coil
- 23-40,000 Hz Response
- Two Level Controls

New bookshelf speaker system offers outstanding sound reproduction. Features 12" woofer, 8" midrange, and famous Sphericon super-tweeter. Built-in midrange and tweeter controls give added brilliance and presence. L-C crossovers at 600 and 4000 Hz. Capacity, 40 watts. Impedance, 8-16 ohms. Oiled walnut veneer. Size, $15\frac{3}{4} \times 23\frac{1}{2} \times 12\frac{1}{4}$ ". 40 lbs. **\$71.07 U. \$7 Monthly. 130.50**



SCOTT

S-11 12" 3-Way System

\$149.95

\$8 monthly

- Air-Suspension System
- 30-20,000 Hz Response
- 55-Watt Capacity

Controlled-impedance speaker system designed especially for the critical demands of solid-state equipment. Features 12" woofer, $4\frac{1}{4}$ " mid-range, 3" tweeter. Has continuous power handling capacity of 55 watts. Needs 10 watts minimum. Three-position tweeter-midrange control switch. Res., 30-20,000 Hz. Imp., 8 ohms. Oiled walnut. $14 \times 24 \times 11\frac{1}{4}$ ". 40 lbs. **\$73.68 U. \$8 Monthly. 149.95**



NEW!

ALTEC LANSING

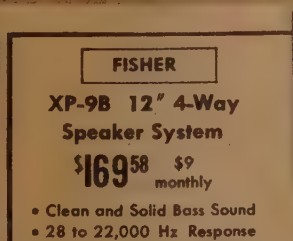
\$161.55

\$9

monthly

Alcero 890B 10" Speaker System

Delivers sound that fills the largest room. 10" LF speaker has massive 10 lb. magnet structure. Multicellular tweeter, 22,000 Hz. 25 watts. 8 ohms. $14\frac{1}{2} \times 8\frac{1}{2} \times 12$ ". Walnut finish. **\$74.41 U. \$9 Monthly. 161.55**



FISHER

XP-9B 12" 4-Way Speaker System

\$169.58

\$9 monthly

- Clean and Solid Bass Sound
- 28 to 22,000 Hz Response

The first true 4-way speaker system of bookshelf size. Contains a 12" woofer, 6" lower midrange, 5" upper midrange and $1\frac{1}{4}$ " treble speaker. For 10-60 watts amplifier power. Balance control. Response, 28-22,000 Hz. 8 ohms. Walnut finish. $14 \times 24\frac{1}{2} \times 12$ ". 60 lbs. Express. **\$73.12 U. \$9 Monthly. 169.58**



NEW!

Deluxe Speaker Systems for Bookshelf or Floor

NEW!



Resonance-Free Sand-Filled Cabinet
12 1/2" Woofer, 5" Midrange, Tweeter

WHARFEDALE

W-60D 12 1/2" 3-Way Speaker System

\$114.95

\$6 monthly

- 12 1/2" Woofer with 9 1/2 lb. Magnete
- Exclusive Sand-Filled Cabinet
- Acoustic Suspension

For the audio connoisseur. This latest version of the exclusive sand-filled Achromatic design employs the same exceptionally-powerful 12 1/2" woofer with massive 9 1/2 lb. magnet found in Wharfedale's larger models, for rich, full-bodied bass. Acoustically-isolated 5" cone with special cloth suspension and low mass aluminum voice coil produces clean, smooth midrange. New omnidirectional Mylar®-domed tweeter for distortion-free treble. Midrange and treble controls. Beautifully oiled walnut cabinet. Can be placed vertically or horizontally. *Response:* 30-20,000 Hz. *Capacity:* 40 watts. *Impedance:* 4-8 ohms. 14 1/4 x 24 x 13 1/2". From England. Wt., 52 lbs. Express. 20 B 7413 Z. \$6 Monthly. 114.95

NEW!



UNIVERSITY

Debonaire 3-Way System

\$112.45

\$6 monthly

- Has 12" Woofer
- 120° Sound Dispersion

High power capacity and smooth response in a bookshelf-size system. 12" woofer, 3 1/2" midrange, Sphericon super-tweeter. Brilliance/Presence control. *Response:* 25-40,000 Hz. *Cap.:* 30 watts. 8-16 ohms. Oiled walnut finish. 15 1/2 x 23 1/4 x 11 1/2". 44 lbs. 20 B 7108 U. \$6 Monthly. 112.45

TF-4 5-Speaker Shelf System

\$111.33

\$6 monthly

- 10" Flexair Woofer
- Four-Way System

Slender cabinet has five speakers for remarkable hi-fi. 10" Flexair high-compliance woofer, 8" midrange, two 3 1/2" tweeters, Sono-Dome ultra-tweeter and brilliance control. *Response:* 25-20,000 Hz. *Cap.:* 25 watts. 8 ohms. Walnut. 16 x 25 1/2 x 8 3/4". 38 lbs. 20 B 7704 U. \$6 Monthly. 111.33

NEW!



UTAH

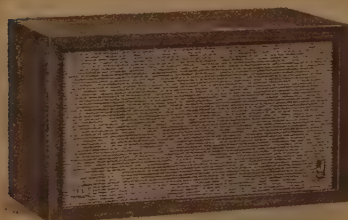
WD-66 3-Way System

\$88.50

\$5 monthly

- Features 12" Woofer
- Ducted-Port Design

Offers high power capacity at moderate cost. 12" woofer with 1 1/2" voice coil, 6" midrange, 3 1/2" tweeter. Fiberglass damping for smooth response. *Response:* 30-17,500 Hz. *Capacity:* 30 watts. *Impedance:* 8 ohms. Walnut finish. 14 1/2 x 24 x 9". 29 lbs. 20 B 7079 U. \$5 Monthly. 88.50



JENSEN

Bookshelf 10" 3-Way System

Low As

\$85.46

\$5 monthly

Unfinished

TF-3AW. Four precision-crafted speakers in a well-balanced 3-way system. 10" high-compliance woofer, two 3 1/2" mid-range speakers, Sono-Dome ultra-tweeter. Built-in balance control. *Response:* 25-20,000 Hz. *Cap.:* 25 watts. *Impedance:* 8 ohms. Oiled walnut veneer. 13 1/2 x 23 1/4 x 11 1/8". Wt., 40 lbs. 20 B 7702 U. \$5 Monthly. 95.65
20 B 7703 U. TF-3AU Ready-to-Finish. \$5 Monthly. 85.46



NEW!

ADC

Brentwood 303A Air Suspension 8" System

\$89.50

\$5 monthly

New bookshelf system offers exceptional fine sound reproduction. Special 8" high compliance woofer, and wide-dispersion Mylar-dome tweeter. Oiled walnut cabinet. *Response:* 35-20,000 Hz. 8 ohms. *Capacity:* 60 watts. Can be placed horizontally or vertically. 13 x 22 1/4 x 11 3/4". 34 1/2 lbs. 20 B 7210 U. \$5 Monthly. 89.50

Values in Best-Selling Shelf Speaker Systems

FISHER

NEW!

XP-6B 10" 2-Way Speaker System

\$76.46 • 10" Woofer with 5-lb. Magnet
 \$5 monthly • 32 to 19,000 Hz Response
 • 50-Watt Power Capacity

Perfect for those who want outstanding performance in a moderately-priced compact enclosure. Design innovations coupled with careful matching components assures a degree of sound excellence found in systems of this size. Highly efficient 10" woofer, with massive 5 lb. magnet, has wisely designed $1\frac{1}{4}$ " high-mass copper voice coil that extends bass response down to 32 Hz without distortion. Amazingly effective $2\frac{1}{2}$ " upper-midrange high-frequency speaker reproduces sounds from 1000 to 19,000 Hz within ± 2 dB. Response: 19,000 Hz. Crossover: 1000 Hz. Capacity: 10 watts min., 50 watts max. Impedance: 8 ohms. Walnut finish. 13x23x11". Wt., 39 lbs.
 # B 7307 U. \$5 Monthly. **76.46**



10" Woofer with Massive 5-Lb. Magnet
 2 1/2" Upper-Midrange High-Frequency Speaker



WHARFEDALE

N40D 3-Way Speaker System

\$79.90 • Features 10" Woofer
 \$ monthly • Acoustic Suspension
 Provides new dimensions in sound realism. High-compliance 10" woofer with low cone resonance, acoustically damped 5" midrange, omnidirectional 1" dome tweeter, two controls. 20,000 Hz. 35 watts. 4-8 ohms. $11\frac{1}{8} \times 23\frac{1}{2} \times 10\frac{1}{8}$ ". England.
 # B 7412 U. Wt., 40 lbs. **79.90**



ELECTRO-VOICE

E-V Five-A 2-Way System

\$79.20 • Special 10" Woofer
 \$5 monthly • Hand-Rubbed Walnut

Specially-designed acoustic-suspension 10" woofer has a four layer voice coil for improved bass. $2\frac{1}{4}$ " cone speaker reproduces middle and high frequencies with clarity. Response: 30-20,000 Hz. 30 watts. 8 ohms. Walnut finish. $12\frac{1}{4} \times 21\frac{3}{4} \times 10\frac{3}{8}$ ". 30 lbs.
 # B 7233 U. \$5 Monthly. **79.20**

NEW!



SCOTT

S-10 Air-Suspension System

\$79.95 • Big 10" Woofer
 \$5 monthly • Rich Hand-Rubbed Cabinet

Exceptional new air suspension system. Powerful 10" woofer, $3\frac{1}{2}$ " midrange/tweeter. Built-in level control. Response: 35-18,000 Hz. Cap.: 7 watts min., 50 watts max. 8 ohms. Oiled walnut finish. Changeable grille cloth. $11\frac{3}{4} \times 23\frac{1}{4} \times 9"$. 28 lbs.
 # B 7367 U. \$5 Monthly. **79.95**

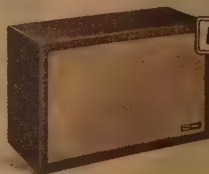


UNIVERSITY

Ultra-D 10" 3-Way System

\$62.99
 \$5 monthly

Concert-hall sound from bookshelf-size unit. Ultra-Linear 10" woofer for excellent bass reproduction, 4" midrange speaker with special curvilinear cone, cone tweeter with aluminum voice coil. Brilliance/Presence control. Response: 28 Hz to beyond audibility. Cap.: 32 watts (music power). 8-16 ohms. Oiled walnut finish. $11\frac{1}{8} \times 23\frac{1}{2} \times 9\frac{3}{4}"$. Shpg. wt., 24 lbs.
 # B 7121 U. \$5 Monthly. **62.99**



NEW!

UTAH

AS-2 Acoustic Suspension 8" System

\$49.95
 \$5 monthly

New low-priced compact acoustic suspension system. Features 8" woofer with special $1\frac{1}{2}"$ four layer voice coil, and $3\frac{1}{2}"$ tweeter. Low-resonant frequency. Constructed of sturdy $\frac{3}{4}"$ panels and finished in beautiful oiled walnut veneer. Response: 40-18,000 Hz. Crossover: 4500 Hz. Capacity: 15 watts. Impedance: 8 ohms. $11 \times 18 \times 9"$. Wt., 22 lbs.
 # B 7073 U. \$5 Monthly. **49.95**



ELECTRO-VOICE

EV-7A 8" 2-Way Bookshelf System

\$59⁸⁵

- Wide Distortion-Free Output
- Response From 40 to 20,000 Hz
- New Vinyl Sealed Walnut Finish

Compact bookshelf speaker system is only 10x19x9", fits on a bookshelf. Specially-designed 8" woofer reproduces lowest frequencies without distortion. Tweeter, with 3½" cone, offers impressive highs. System provides wide response, faithful tonal reproduction. Tweeter control permits adjusting high end of audio spectrum. With built-in electrical crossover. *Response:* 40-20,000 Hz. *Impedance:* 8 ohms. *Capacity:* 25 watts. Oiled walnut finish has protective vinyl coating. 10x19x9". Shpg. wt., 22 lbs.

20 B 7188 U. \$5 Monthly.....**59.85**

Popular-Priced Compact Bookshelf Speaker System



FISHER

XP-55 Free-Piston Bookshelf Speaker System

\$50⁵⁸

- Has 8" Woofer with Massive 3-lb. Magnet
- Free-Piston Suspension for Excellent Bass

Created especially for high-fidelity enthusiasts who demand the quality performance of a large speaker system, but in an enclosure far smaller in size, and at a budget price. Has 8" woofer with 3-lb. magnet in free-piston suspension for exceptional bass response plus 2½" treble speaker. *Response:* 37-19,000 Hz. *Capacity:* 10-watts. 8 ohms. Walnut finish. 10x20x9". 20 lbs.

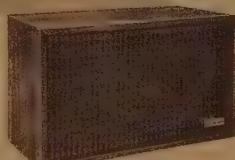
20 B 7164 U. \$5 Monthly.....**50.58**



A WHARFEDALE

\$50⁹⁵

Model W-30D



B UNIVERSITY

\$57⁰⁰

Model UR-4



C JENSEN

\$63⁰⁰

Model X-45



D UTAH

\$39⁹⁵

Model SH8W



E UTAH

\$24⁹⁵

Model PT4C



F UTAH

\$17⁹⁵

Model PT2B

A Wharfedale W-30D 2-Way Bookshelf System. For low-medium power systems. High-compliance woofer. Acoustic Compensation control adjusts mid and high frequencies, preserves range regardless of level. Floating grille stops buzz. 10x19x9". 4 ohms. Walnut vinyl finish. England. 20 B 7411 U. Wt., 22 lbs. \$5 Monthly.....**50.95**

B University UR-4 2-Way Speaker System. Efficient system features 8" high-compliance woofer, plus 2½" tweeter, coupled to give a response of 35 Hz beyond audibility. Capacity: 30 watts. Impedance: 8 ohms. 10½x19x9". Finished in attractive oil walnut veneer. 20 B 7245 U. Wt., 14 lbs. \$5 Monthly.....**57.00**

C Jensen X-45 2-Way System. Excellent for compact central stereo, or remote extensions. Has Flexair woofer, plus compression-driven, horn-loaded tweeter. Response: 30-18,000 Hz. Crossover: 20 Hz. Capacity: 25 watts. Impedance: 8 ohms. With bass control. 10½x19½x9". Oiled walnut. 20 B 7081 U. Wt., 24½ lbs. \$5 Monthly.....**63.00**

D Utah SH8W "Optica" 3-Way System. Full range distortion-free sound. Features 8" woofer/midrange coaxial speaker and 3½" tweeter. Capacity: 25 watts peak. Impedance: 8 ohms. Hand-rubbed oiled walnut veneer finish. 11½x19x8½". 20 B 7078 X. Wt., 19¼ lbs. \$5 Monthly.....**39.95**

E Utah PT4C 2-Speaker System. Use it on the floor, stand it on a shelf, or hang it like a picture (it has built-in keyhole slots). Features an 8" woofer, plus a 3½" tweeter. Built-in volume control. Capacity: 12 watts. Impedance: 8 ohms. Size, 12x18x3½". Walnut finish. 20 B 7077 X. Wt., 7 lbs. \$5 Monthly.....**24.95**

F Utah PT2B 2-Way System. Compact unit is only 3½" deep. Features an 8" woofer, 3x5" tweeter, built-in volume control. Capacity: 12 watts peak. Impedance: 8 ohms. Complete with all mounting hardware. Size, 12x18x3½". Walnut finish. 20 B 7066 X. Shpg. wt., 6 lbs.....**17.95**



NEW!

ADC

Model 404 Compact 2-Way System

\$49⁹⁵

- High-Compliance 6" Woofer
- 45 Hz to Beyond Audibility
- Overlapping Crossover Network

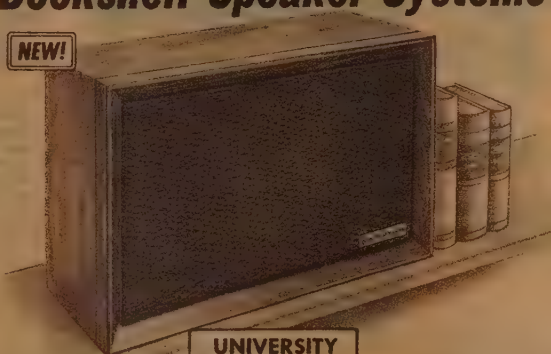
\$5 monthly

This system is not much larger than a few books, yet puts out an astonishing amount of clear, well-balanced, wide range sound. Has 6" high-compliance woofer, 1½" dome tweeter. Sealed enclosure is filled with sound absorbing material, causing it to function as a tiny air suspension direct radiator system. Response: 45 Hz to beyond audibility. Capacity: 6-50 watts. Impedance: 8 ohms. 7½"x11½"x8¼". Oiled walnut finish. 11½ lbs.

20 B 7240 X. \$5 Monthly.....**49.95**

Low-Cost Ultra-Compact Bookshelf Speaker Systems

NEW!



UNIVERSITY

Mini-ette Ultra-Compact 2-Way System

\$44⁵⁵

- With Ultra-High Compliance 6½" Woofer
- Response of 40 Hz to Beyond Audibility

This ultra-compact unit provides good bass and exceptional overall performance for a system this size. Specially-designed ultra-high compliance 6½" woofer. Tweeter is smooth-responding 3½" direct radiator type. Response: 40 Hz to beyond audibility. Capacity: 20 watts (music power). Impedance: 8 ohms. Crossover: 2000 Hz. 9½"x15x6". Oiled walnut finish. Shpg. wt., 12 lbs.

20 B 7106 X. \$5 Monthly.....**44.55**



WHARFEDALE

W-20D 2-Way System

\$42⁴⁶

- Compliant 8" Woofer
- Achromatic Suspension

Achromatic acoustic suspension in a compact speaker system. Has high-compliance 8" woofer and pressure dome 3" tweeter. Variable control for maximum tonal adjustment. Needs 10 watts min. 4-8 ohms. 9¼"x14¼"x8½". Walnut. England. 14 lbs.

20 B 7417 X. \$5 Monthly.....**42.46**



FISHER

XP-33 Compact System

\$42⁰⁷

- Response, 38-18,500 Hz
- 6" Woofer, 2-lb. Magnet

Miniature speaker system faithfully reproduces entire music spectrum. Features heavy-duty 6" woofer with 2-lb. magnet, and 2½" tweeter with unique plasticized surround. Res.: 38-18,500 Hz. 10 watts min. 8 ohms. 7x13x6". Oiled walnut. 10 lbs.

20 B 7172 X. \$5 Monthly.....**42.07**



ELECTRO-VOICE

EV-8 2-Way Speaker System

\$39⁶⁰

- Response, 50-20,000 Hz
- High-Compliance Woofer

Provides balanced natural sound. Has 6" high compliance woofer, 2½" pure sounding tweeter. Response: 50-20,000 Hz. Electrical crossover at 2000 Hz. 30 watt peak capacity. Impedance: 8 ohms. Size, 8¼"x15¼"x7". Walnut finish. Shpg. wt., 10 lbs.

20 B 7234 X. \$5 Monthly.....**39.60**

A Electro-Voice EV-11. Fine sounding 2-way system economizes on space and budget. Enclosure resonance tuned to special 6" 2-way speaker. Two coaxial cones, operating from a single voice coil, divide the audio spectrum. Capacity: 25 watts peak. 8 ohms. 8¼"x15¼"x8½". Walnut veneer has vinyl coat.

20 B 7185 X. Shpg. wt., 12 lbs. \$5 Monthly.....**33.00**

B Jensen X-11A Two-Way. Ideal where space is at a premium, or as extension speaker. Special woofer with powerful "Syntox-6" magnet. 3" tweeter extends response to 14,000 Hz. Built-in adjustable volume control; wall hangers. Capacity: 12 watts peak. 8 ohms. 6½"x13½"x4". Oiled walnut.

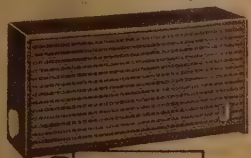
20 B 7075 X. Shpg. wt., 7 lbs. \$5 Monthly.....**35.00**



A ELECTRO-VOICE

\$33⁰⁰

- Tuned Enclosure
- 2-Way 6" Speaker



B JENSEN

\$35⁰⁰

- Two-Speaker System
- 14,000 Hz Response

Get the Speaker System You Want with Your Allied Credit Fund

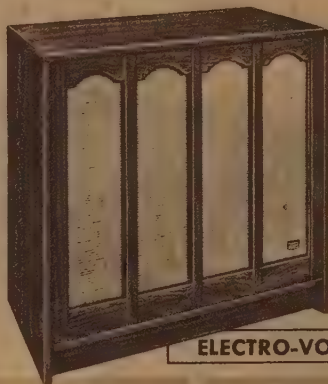
ALLIED 75

Famous Decorator-Style Floor Speaker Systems



4-Way System
Featuring
18" Woofer

Magnificent
Enclosure
Styled in
Oiled Walnut



ELECTRO-VOICE

E-V-SIX 4-Way System with 18" Woofer

\$299⁷⁰

- 18" Foam-Cone Woofer for Natural Bass
- 8" Midbass; Midrange; High-Frequency Horn
- \$15 monthly • Response of 20 Hz to Beyond Audibility

For those who want finest sound, plus luxurious furniture styling. This speaker system provides silken-smooth reproduction across the entire range of audibility. Huge 18" foam-cone woofer moves up to *five times* more air than other systems, for unmatched bass response. Special 8" driver for mid-bass frequencies; ring-type driver and diffraction horn for midrange; special VHF driver and diffraction horn for high frequencies. This deluxe system provides a response of from 20 Hz to beyond audibility. Capacity, 70 watts peak. Impedance, 8 ohms. Step-type balance control. Four-way crossover. Magnificent enclosure in luxurious oiled walnut veneer enhances the beauty of your home. 30x32x17½". Shpg. wt., 107 lbs. Shipped express.

20 B 7228 Z. \$15 Monthly.....**299.70**

NEW!



ALTEC-LANSING

846A 2-Way 15" System

\$299⁷⁰

- Powerful 15" Woofer
- Fretwork Wood Grille
- \$15 monthly • Walnut Finish

Boasts same superb components as the famous Voice of the Theatre model, but in a package half the size. 15" woofer with 3" voice coil, high-frequency driver, h-f and midrange horn. 35-22,000 Hz. 8/16 ohms. 30 watts. 29¾x27½x19". 20 B 7439 U. Wt., 100 lbs....**299.70**
20 B 8210 U. A-7. Components above, less enclosure, 43 lbs.....**174.15**



EMPIRE

9000M 15" 3-Way System

\$297⁵⁰

- Imported Marble Top
- Tweeter Level Control
- \$15 monthly • Woofer Faces Down

Elegant hexagonal styling. Mass-loaded 15" woofer, direct radiator mid-range, ultrasonic tweeter. 20-20,000 Hz. 100 watts. 8 ohms. Satin walnut with marble top. 22" dia., 29" high. 123 lbs. Express. 20 B 7270 Z. \$15 Monthly.....**297.50**
8000P. Above, but Ionic column. 12" woofer. 25-20,000 Hz. 16" dia. 20 B 7285 Z. Wt., 86 lbs.....**249.95**



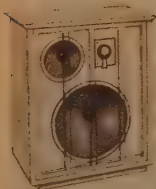
FISHER

XP-15 Dual 12" 4-Way System

\$254⁵⁸

- Seven Speakers
- Two 12" Woofers
- \$13 monthly • 3 Balance Controls

Fabulous 7-speaker sound! Boasts two 12" woofers; two 6" lower mid-range; two 5" upper mid-range; soft-dome tweeter. Three balance controls. LC crossovers. Response from 26 Hz to beyond audio spectrum. Capacity: 80 watts, req. at least 11 watts. 8 ohms. Oiled walnut veneer. 27x27x14". 90 lbs. Exp. 20 B 7171 Z. \$13 Monthly.....**254.58**



Giant 15" Woofer
Special 8" Midrange
2" Soft-Dome Tweeter



FISHER

XP-10 15" 3-Way Floor System

\$212⁰⁸

- High-Compliance 15" Woofer with 6-lb. Magnet
- AcoustiGlas-Packaged, Non-Resonant Enclosure
- \$11 monthly • Crossovers at 200 and 2500 Hz

A masterpiece of brilliant high-fidelity sound and striking contemporary cabinetry. Giant 15" high-compliance woofer has 6-lb. magnet structure and 2" eddy-current-damped voice coil to produce breathtaking bass. Special 8" midrange and 2" soft-dome tweeter, each with 5½-lb. magnet structure; 3-way crossover network separates frequencies accurately at 200 and 2500 Hz. Clean response from 28 Hz to beyond the range of human hearing. Capacity, 60 watts, requires at least 10 watts per channel. Impedance, 8 ohms. Handsome floor cabinet finished in hand-rubbed oiled walnut. Size, 30½x24½x14¾". Shpg. wt., 80 lbs. Shipped express.

20 B 7217 Z. \$11 Monthly.....**212.08**

A Floor Model Gives Superior Sound

W70D Sand-Filled 12½" 4-Way System

\$14875

Ready-to-Finish

- 12½" Woofer with 9½-lb. Magnet
- White Sand Packed Between Hardwood
- Can Be Used Vertically or Horizontally

Latest version of this famous Wharfedale system, our best-selling deluxe floor model. White sand, packed between layers of hardwood, creates an inert mass to prevent bass resonance. System has a 12½" woofer with a massive 9½-lb. magnet. 8" speaker serves as passive radiator for upper bass and energized driver for lower midrange. 5" upper midrange. Omnidirectional, Mylar-domed tweeter for pure, wide-angle treble. Boasts exceptionally smooth response from 25-20,000 Hz. Capacity: 40 watts. Impedance: 4-8 ohms. Ready-to-finish sanded birch enclosure. 24x20½x12½". Flat moldings. England. 74 lbs. Express.

20 B 7415 Z. \$8 Monthly. **148.75**
20 B 7414 Z. Oiled Walnut Finish. Deluxe moldings. Shpg. wt., 74 lbs. **159.80**



NEW!



Fine-Grain White Sand Creates Inert Mass to Prevent Bass Resonance

WHARFEDALE



WHARFEDALE



UNIVERSITY



ALTEC

W90D 12½" 6-Speaker System

\$24990

\$13 monthly

- Wharfedale's Finest
- Two 12½" Woofers
- Sand-filled Cabinet

Superb system features two 12½" woofers—upper and lower bass—each with 9½-lb. magnet, for powerful bass; two 5" midranges; two Mylar-domed tweeters. Response: 20 Hz to beyond audibility. Capacity: 50 watts. 4-8 ohms. Oiled walnut. England. 115 lbs. Express.

20 B 7416 Z. \$18 Monthly. **249.90**
20 B 7590 X. 4-Leg Base. 1¾ lbs. 8.93

Mediterranean 3-Way System

\$24255

\$13 monthly

- Decorator-Styled
- High-Compliance
- 12" Woofer

Thrilling sound from a beautiful piece of Mediterranean-styled furniture. High-compliance 12" woofer, 8" direct radiator midrange; reciprocating flare-horn tweeter. 20 Hz to beyond audibility. 8 ohms. 50 watts. Grained antique butternut, pumice-brown finish. 22½x24½x7½". 75 lbs. Shipped express.

20 B 7122 Z. \$15 Monthly. **242.55**

847A 12" 2-Way System

\$21330

\$11 monthly

- Deluxe 12" Woofer
- Multicellular HF Horn
- End-Table Size

Striking beauty and magnificent sound. 12" woofer with 3" voice coil for clean lows, cast-zinc multicellular horn and driver for thrilling midrange and treble. 40-22,000 Hz. 20 watts. 8/16 ohms. 3000 Hz crossover. Elegant walnut cabinet has 16th-Century Spanish-style fretwork. 26x19x14". 60 lbs. Express.

20 B 7437 Z. \$11 Monthly. **213.30**

EMPIRE

4000M 10" 2-Way Speaker System

\$15995

\$8 monthly

Imported Marble Top

Handsome pedestal-style system features 10" high-compliance woofer, direct radiator midrange/tweeter with wide-angle dispersion. Response: 30-18,000 Hz. 60 watts. 8 ohms. Satin walnut finish with imported marble top. 25x18" dia. 85 lbs. Express.

20 B 7391 Z. **159.95**



EMPIRE

NEW!

2000W 10" 2-Way System

Low As

\$9995

Ideal For Apartments...
Superb Speaker System
Can Serve as Pedestal

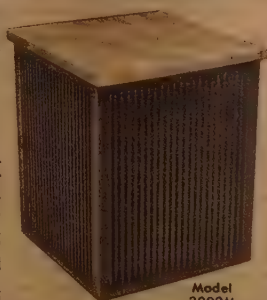
Versatile system has 10" high-compliance woofer, direct radiator tweeter/midrange. 35-18,000 Hz. 60 watts. 8 ohms. Satin walnut. 16½x11½x11½". 30 lbs.

20 B 7388 U. \$5 Monthly. **99.95**

Model 2000M. Above with imported

marble top. 17¼" high. 44 lbs.

20 B 7389 U. \$6 Monthly. **109.95**



Model 2000M

Knight Hi-Fi Speakers Represent Quality, Value

Why Choose Knight Speakers?

- You Get Quality Hi-Fi Sound at Lower Prices
- Exceptional Specifications and Construction
- Performance is Superior to Comparably Priced Competitive Brands—Compare for Yourself
- Satisfaction Guaranteed—See Page 3

Latest Improvements

The very latest engineering improvements for the finest in sound reproduction, are constantly being incorporated into every Knight Hi-Fi speaker. All at money-saving prices, available exclusively from Allied.

Designed with You in Mind

Knight speakers are designed to meet your requirements no matter how critical. There is a speaker specially engineered for your particular application . . . at a price you can afford to pay.

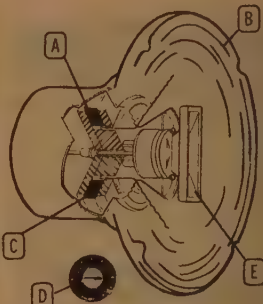


KNIGHT



5-Lb. Ceramic Magnet

PRECISION CONSTRUCTION, SUPERIOR COMPONENTS



- A 5-lb. Ceramic Magnet
- B Rigid Cast-Alloy Frame
- C 2 1/2" Copper-Ribbon Voice Coil
- D Calibrated Brilliance Control
- E Compression-Type Tweeter

\$74⁹⁵ \$5
monthly

Knight's Very Finest Hi-Fi Speaker.. 15" 3-Way KN-615HC

- 15" High-Compliance Woofer for Powerful Bass • Radax Cone Adds Realism to Middle Frequencies
- 100-Watt Peak Power Capacity • Rigid Cast-Alloy Frame Assures Alignment of Moving Elements
- Screw-Type Terminals for Easy Connections • Frequency Response from 20 to 20,000 Hz

We're justifiably proud of this hi-fi speaker—it's our finest! You're certain to be delighted with its performance, too. You'll hear unparalleled low-frequency reproduction, absolutely stunning in its dramatic impact, plus clean midrange and thrilling high-frequency response with bell-like clarity. No other speaker at this price comes close to matching the magnificent audio quality of the KN-615HC.

Huge 15" high-compliance woofer provides deep, natural bass down to 20 Hz. Radax midrange cone, with mechanical crossover at 2000 Hz, gives added presence to the middle frequencies. Built-in electrical crossover directs frequencies above 3500 Hz to the compression-type VHF tweeter with rectangular diffraction horn.

All moving elements are locked in alignment by the super-strong cast-alloy frame. Calibrated brilliance control adjusts high-frequencies to best room acoustics. Convenient binding-post terminals for fast, easy connection to amplifier. Shpg. wt., 31 1/4 lbs.

20 B 9502 U. \$6 Monthly **74.95**

SPECIFICATIONS

Free-Air Resonant Frequency: 25 Hz.
Frequency Response: 20-20,000 Hz.
Crossover Frequencies: Mechanical at 2000 Hz; Electrical at 3500 Hz.
Power Capacity: 50 watts, 100 watts peak.
Magnet Wts: Woofer, 5 lbs.; tweeter, 6.8 oz.
Magnet Material: Ring-type ceramic.
Flux Density: 14,500 gauss.
Voice Coils (Edge-wound): Woofer, 2 1/2" copper ribbon; tweeter, 1" aluminum-ribbon.
Rated EIA Sensitivity: 55 dB.
Nominal Impedance: 16 ohms.
Speaker Mounting Depth: 9 3/4".
Weight: (actual) 28 lbs.

Advantages of Ready-to-Mount Speakers

Why Buy Ready-to-Mount Speakers?

Save Money by Building Your Own Enclosure
 Save Space by Mounting Speakers in Wall
 Have Fun Designing a Custom Music System
 You Can Buy the Enclosure of Your Choice
 You Can Afford to Have Music in Every Room

You Save Two Ways

Save when you buy a top-quality, ready-to-mount Knight speaker at Allied's low price. Save again when you build, design or select your own high-fidelity speaker enclosure. Puts lots more fun in your listening.

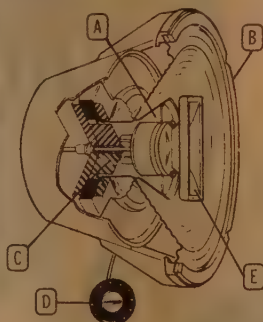
Use All Your Living Space

Enjoy your favorite programs in game room or den without taking up valuable space with speaker enclosures. Ready-to-mount speakers offer excellent performance when installed in wall or ceiling.



5-Lb. Ceramic Magnet

THESE FEATURES GIVE YOU
 DISTINCTLY SUPERIOR SOUND



- A Midrange Cone B Die-Cast Frame
- C 2 1/2" Voice Coil D Level Control
- E Diffraction-Horn VHF Tweeter

\$64⁹⁵ \$5
 monthly

Knight's Best 12" 3-Way Speaker . . KN-612HC

- Easy-to-Use Screw-Type Binding Posts • Provides Exceptional Bass Response Without Booming
- Frequency Response from 22 to 20,000 Hz • Level Control for Precise Tweeter Adjustment
- 70-Watt Peak Power Handling Capacity • Rigid Frame Assures Alignment of Moving Elements

You can't buy a better 12" speaker anywhere at this price! Delivers powerful and natural bass response, crisp, clear midrange and brilliant highs. Super-efficient 5-lb. ceramic magnet and 12" high-compliance woofer, with unusually low resonance frequency, team up for outstanding bass response (without booming) in any type of speaker enclosure.

Each enclosure size and type of loading are not critical for this deluxe speaker. Midrange radax cone, with mechanical crossover at 2000 Hz, lends exceptional presence for dramatic realism. Electrical crossover handles frequencies above 3500 Hz to the compression-type VHF diffraction-horn tweeter. Precision, edgewise wound copper-ribbon voice coil and all other moving elements are locked in precise alignment by an extra-rigid frame.

Adjustable brilliance control, on a 36" cable, adjusts output level of tweeter. Convenient screw-type binding post terminals for quick connection to any amplifier. Shpg. wt., 30 lbs.

Model B 9501 U. \$5 Monthly. \$64.95

SPECIFICATIONS

Free-Air Resonant Frequency: 40 Hz.
 Frequency Response: 22 to 20,000 Hz.
 Crossover Frequencies: mechanical at 2000 Hz; electrical at 3500 Hz.
 Power Handling Capacity: 35 watts (70-watts peak).
 Magnet Wts.: woofer, 5 lbs.; tweeter, 6.8 oz.
 Magnet Material: ring-type ceramic.
 Voice Coils (Edge-wound): woofer, 2 1/2" copper ribbon; tweeter, 1" aluminum ribbon.
 Rated E.F.A. Sensitivity: 53 dB.
 Nominal Impedance: 16 ohms.
 Speaker Mounting Depth: 7 1/4".
 Weight: (actual) 27 lbs.



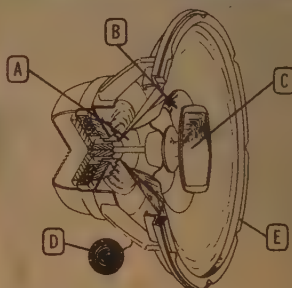
HI-FI SPEAKERS

Value-Packed 12" 3-Way Speaker

1¾-LB. CERAMIC MAGNET FOR POWERFUL BASS



**Flawless Construction plus
First-Quality Components**



- (A)** Precision-Centered Voice Coil
- (B)** Axially-Mounted Midrange Cone
- (C)** Compression-Type Tweeter Horn
- (D)** Tweeter-Level Control
- (E)** Rigid Die-Cast Frame

**Easy to Mount
—Only 6¾" Deep**

\$39⁹⁵

\$5 monthly

Famous KN-888HC 12" 3-Way High-Fidelity Speaker

- Smooth Overall Frequency Response from 25 Hz to 19,000 Hz
- 1¾-lb. Ceramic Magnet • Excellent Performance in Any 12" Speaker Enclosure
- Super-Strong Cast-Alloy Frame Assures Alignment of Moving Elements

Quality-constructed and priced for extra value . . . a Knight special for serious listeners. Precision craftsmanship and superior components assure exceptionally clean and natural music over a wide frequency range. Buy a pair for brilliant stereophonic high-fidelity performance at a very modest price.

Big 12" woofer has a high-compliance cone and centered 1½" voice coil that combine to provide superb bass. Axially-mounted radiator cone assures smooth midrange. Both are driven by a powerful ring-type ceramic magnet. Compression-type tweeter, with diffraction horn and Alnico V magnet, disperses sparkling, crystal-clear highs over a wide area. You hear the entire, breathtaking audio spectrum.

Built-in mechanical crossover separates bass and midrange units at 2000 Hz, while electrical crossover network channels highs above 4000 Hz to tweeter. The calibrated level control on cable permits you to adjust tweeter level to correspond to both your room acoustics and your personal listening taste. Massive cast-alloy frame locks all moving elements in precise alignment. Convenient binding post screw terminals for fast hook-up to amplifier. Speaker is designed to fit any 12" enclosure. Shpg. wt., 11½ lbs.

20 B 9553 X. \$6 Monthly **39.95**

SPECIFICATIONS

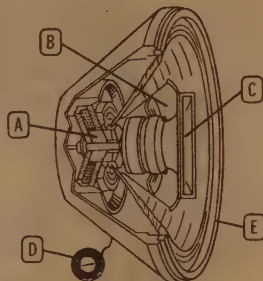
Free-Air Resonant Frequency: 25 Hz.
Overall Frequency Response: 25-19,000 Hz.
Crossover Frequencies: mechanical, 2000 Hz; electrical 4000 Hz.
Power Handling Capacity: 25 watts (50 watt peak).
Magnet Weight: woofer, 1¾-lbs. ceramic; tweeter, 4.65-oz. Alnico V.
Flux Density: woofer, 12,650 gauss; tweeter, 13,500 gauss.
Voice Coils: woofer, 1½"; tweeter, 1".
Rated E.I.A. Sensitivity: 53 dB.
Rated Impedance: 8 ohms.
Mounting Depth: 6¾".
Overall Diameter: 12½".
Actual Weight: 8½ lbs.
Shipping Weight: 11½ lbs.

Knight's Most Popular 12" 3-Way Speaker

FEATURING 3 SEPARATE ELEMENTS FOR NATURAL HI-FI SOUND



**These Quality Features
Give You Better Hi-Fi**



- A** Heavy Magnet for Smooth Bass
- B** Edge-Wound 2" Copper Voice Coil
- C** Diffraction-Horn Tweeter
- D** Tweeter Level Control
- E** Rigid One-Piece Die-Cast Frame

**Knight's Best Value
In a 12" Speaker**

\$24⁹⁵

\$5 monthly

Knight KN-830BHC 12" 3-Way High-Fidelity Speaker

Low-cost speaker that's a favorite of the budget minded. Features same superb engineering as our more costly speakers. One-piece die-cast frame assures excellent structural stability by locking moving elements into precise alignment. High-compliance, long excursion 12" woofer for deep, natural bass. Mechanical crossover at 2000 Hz distributes middle frequencies to a separate axially-mounted cone for distortion-free midrange. Electrical crossover at 3500 Hz feeds compression-type VHF tweeter, with rectangular horn, that disperses clear, brilliantly-defined high notes. Calibrated tweeter level control adjusts high-frequency response to room acoustics. Binding post terminals for quick solderless hookup. Operates in any enclosure with 12" cutout. Only 5 $\frac{3}{4}$ " deep. Shpg. wt., 10 $\frac{1}{2}$ lbs.

B 9507 X. \$5 Monthly.....24.95

SPECIFICATIONS

Free-Air Resonant Frequency: 30 Hz.
Frequency Response: 25 to 18,000 Hz.
Power Capacity: 20 watts, (40 watts peak).
Magnet Weight: woofer, 13 oz.; Tweeter 3.16 oz.
Magnet Material: Woofer, ring-type ceramic; Tweeter, ceramic.
Flux Density: Woofer, 11,500 gauss; Tweeter, 10,000 gauss.
Voice Coil Diameter: Woofer, 2"; Tweeter, 1".
Rated EIA Sensitivity: 47.2 dB.
Rated Impedance: 8 ohms.
Mounting Depth: 5 $\frac{3}{4}$ ".

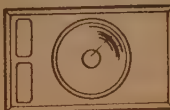
KN-1286 12" Speaker Enclosure

Quality, factory assembled speaker enclosure at low cost. Features vented-port design for 12" speaker. Approves bass response and brings out best performance from any speaker. Offers deluxe construction, space-saving size, smart appearance, solid $\frac{3}{4}$ " hardwood with red walnut veneer on all four sides. Lined in fiberglass for best acoustical performance. Two-lug terminal strip provides easy connection to amplifier. Size, 14 $\frac{3}{4}$ " x 12" deep. Shpg. wt., 31 $\frac{3}{4}$ lbs.

B 9531 U. \$5 Monthly.....29.95

\$29⁹⁵

\$5 monthly



Knight Hi-Fi Speakers Give You Finest Quality

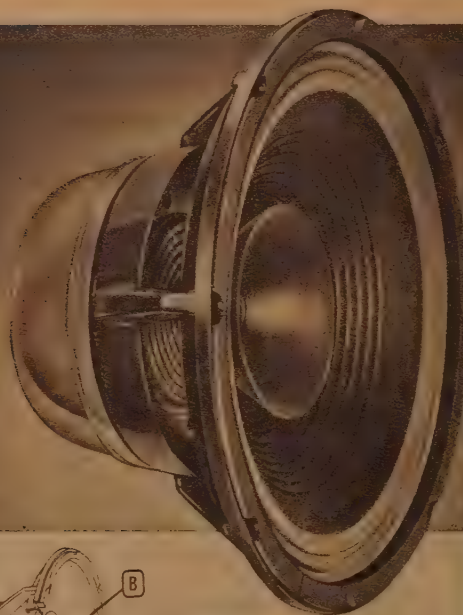
ALLIED 81



HI-FI SPEAKERS

Our Lowest Priced 12" Speaker

WITH TIME-PROVEN DUAL-CONE DESIGN



KN-822HC SPECIAL FEATURES

- A 13 oz. Ceramic Magnet
- B Separate Treble Cone
- C 1 1/4" Long Throw Sealed Copper Voice Coil
- D Solid Die-Cast Frame

KN-822HC 12" 2-Way Hi-Fi Speaker

\$14⁹⁵

- High-Compliance Woofer
- Efficient 2-Way Design
- Bass Down to 25 Hz
- Die-Cast Metal Frame

Outstanding value in a fine-quality hi-fi speaker KN-822HC provides excellent reproduction of the orchestral range. Boasts time-proven dual-cone design—high-compliance 12" woofer delivers solid bass down to 25 Hz. Above 5000 Hz, frequencies are distributed by a mechanical crossover to an efficient high-frequency radiator cone.

A solid die-cast metal frame keeps voice coil and other moving parts in precision alignment with the magnet, thus preventing distortion. Heavy-duty coil form is sealed against damaging shorts, dust and moisture. Precision-wound 1 1/4" diameter, long throw copper voice coil provides extremely efficient operation. You get full-bodied, bass frequency response even with low-power amplifiers.

The exceptionally low resonant frequency of the KN-822HC makes it an excellent performer in an enclosure, but we especially recommend the popular KN-1290K Enclosure Kit, described below. Easy to-mount speaker has convenient binding post terminals for quick, solderless connections to any amplifier. Mounting depth 6 3/8". Shpg. wt., 7 1/2 lbs.
20 B 9551 X..... 14.9

SPECIFICATIONS

Free-Air Resonant Frequency: 30 Hz.

Overall Response: 25 to 13,000 Hz.

Crossover: Mechanical at 5000 Hz.

Power Handling Capacity: 20 watts (40 watts peak).

Magnet: 13-oz. Ceramic type; 11,500 gauss.

Voice Coil: 1 1/4" Diameter.

Rated Impedance: 8 ohms.

Mounting Depth: 6 3/8".

Popular KN-1290K Deluxe 12" Speaker Enclosure Kit



Solid 3/4" Wood with Walnut Veneer on All 4 Sides and Edges

\$22⁹⁵

\$5 monthly

- Walnut Veneer On All 4 Sides
- Vented-Port Increases Bass
- Rugged 3/4" Construction
- Easily Assembled in an Evening

An unusually low price for a speaker enclosure this quality. Features vented-port design for improved bass response. Compact, yet boasts attractive styling that goes well with virtually any decor. Engineered to accept 12" speakers, including m 2 and 3-way types. Has fiberglass acoustic lining and sturdy 3/4" wood panels.

Mitered corners help prevent bass reverberation. 4 sides have handsome walnut veneer—place it horizontally or vertically on shelf or floor. Assemble with just a screwdriver. Kit includes finishing oil rubbing-in a rich walnut finish—in just minutes. Acoustically-transparent grille cloth is fact mounted. Back has terminal strip for speaker connection. Instructions included. Size: 14 3/4" x 24 1/2" deep. Shpg. wt., 29 lbs.
20 B 9511 U. \$5 Monthly..... 22

Knight's Finest 8" Speaker . . 3-Way Design

FEATURES 3 SEPARATE ELEMENTS FOR SMOOTH RESPONSE

KN-839 8" Hi-Fi Speaker

\$19⁹⁵

\$5 monthly

- Mounts Quickly and Easily
- 45-18,000 Hz Frequency Range
- Tweeter Level Control
- Super Strong Die-Cast Frame

You'll be amazed at the hi-fi this remarkable 8" speaker can deliver. Just mount it in any good enclosure, like the KN-1295K below, and enjoy first-quality high-fidelity. Performs on a par with far more expensive speakers.

You get all these deluxe-quality features: (1) 3-way design consisting of an 8" woofer with separate midrange cone, and an electrically and acoustically independent tweeter; (2) level control for adjusting tweeter brilliance to suit your personal tastes and room acoustics; (3) wide range response—covers frequencies from 45 Hz all the way up to 18,000 Hz. Woofer highlights a large 2-inch voice coil.

Bore-fire compression-type tweeter widely disperses smooth highs without distortion. Screw terminals for quick, solder-free connection.

20 B 9500. Shpg. wt., 6 $\frac{3}{4}$ lbs. \$5 Monthly 19.95

SPECIFICATIONS

Free Air Resonant Frequency: 65 Hz.
Overall Frequency Response: 45 to 18,000 Hz.
Crossover Frequencies: Mechanical at 2000 Hz,
Electrical at 3500 Hz.
Power Capacity: 20 watts (40 watts peak)
Magnets: Woofer; Ceramic, 10 oz. Tweeter;
Alnico V, 1.47 oz.
Voice Coil: Woofer 2", Tweeter 1".
Rated Impedance: 8 ohms
Mounting Depth: 3 $\frac{3}{8}$ ".



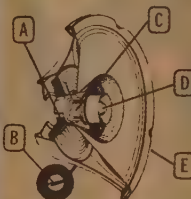
KN-1295K 8" Speaker Enclosure Kit

\$14⁹⁵

- Walnut Veneer on All Four Sides
- Rugged $\frac{3}{4}$ " Wood Construction
- Easy to Assemble, Ready to Finish

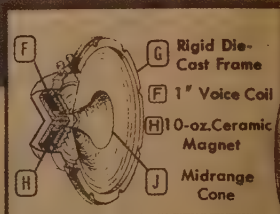
Absolutely the best value we've ever offered in a shelf-size 8" speaker enclosure. You save more by assembling it yourself! Features a ducted-port design for extended bass response. Place it on a shelf or on the floor—use it vertically or horizontally. Strong $\frac{3}{4}$ " wood with walnut veneer on all sides. Just rub in finishing oil (not included) for attractive oiled walnut finish. Acoustically transparent grille cloth permits free passage of all frequencies. Quality extras in fiberglass lining and terminal strip. Size, 11x24x9". With complete, easy-to-follow instructions included. Shpg. wt., 16 lbs.

20 B 9521 X 14.95



KN-839 DELUXE FEATURES

- A High-Efficiency Magnet
- B Tweeter Level Control
- C 2" Voice Coil
- D Compression-Type Tweeter
- E Rigid Die-Cast Frame



KN-809A 8" 2-Way

\$9⁹⁵

- Bass Response Down to 50 Hz
- Faithful Wide-Range Response
- Separate Midrange Cone

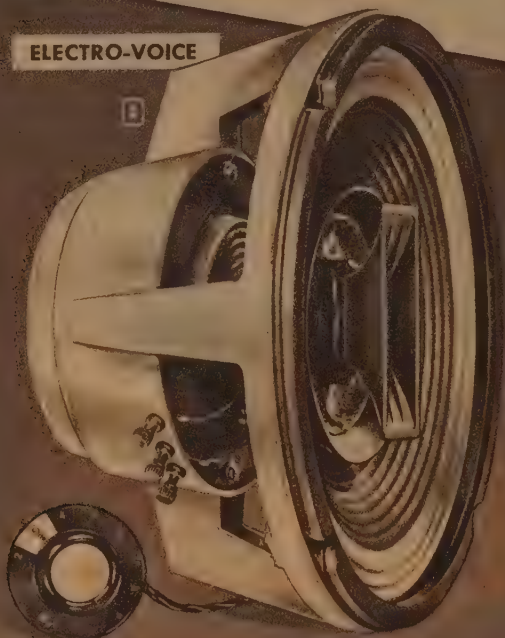
Terrific value in a 2-way speaker system. Provides wide-range response at low cost. The KN-809A is a full-fidelity speaker, delivering fine sound. Features a separate midrange radiator for good treble response and a solid die-cast frame to insure precision alignment of moving parts. Ideal for moderately priced music systems. Also makes an excellent extension speaker wherever wide-range background music is desired but budgets are restricted. Frequency response: 50-13,000 Hz. Capacity: 15 watts (30 watts, peak). Impedance, 8 ohms. Speaker mounting depth: 3 $\frac{3}{8}$ ". Handy binding posts.

20 B 9550. Shpg. wt., 3 $\frac{3}{4}$ lbs. 9.95

Allied Money-Saving Special Purchases! Famous Speakers at All-Time Low Prices

ELECTRO-VOICE

B



A Electro-Voice

12TRXB 12" 3-Way Speaker

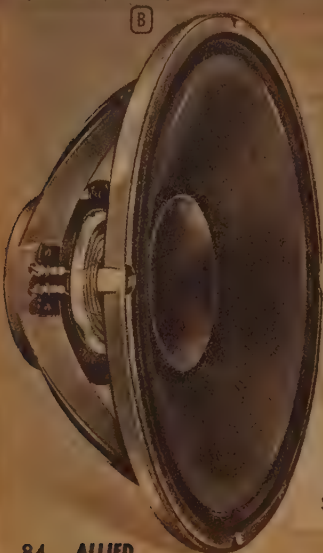
Save **\$20.00** **\$42¹⁰** **\$5** monthly

- Response of 35 Hz to Beyond Audio Range
- Level Control Lets You Adjust Highs
- Massive Die-Cast Frame Holds All Elements
- 12" Woofer with Ceramic Magnet
- Powerful 60-Watt Peak Capacity

Was \$62.10. You actually save \$20.00 on this world-famous, performance-proven 12" 3-way speaker! Designed to delight the most critical listener—combines 12" woofer with 1½-lb. ceramic magnet, Radax midrange, and wide-dispersion horn tweeter with 3.16-oz. Alnico V magnet. Specially treated woofer cone produces crisp, clean bass down to 35 Hz. Horn tweeter faithfully reproduces the high end of the audio range. Level control lets you adjust high frequencies to match the acoustics of your room. Frequency response: 35 Hz to beyond audibility. Crossovers: 2000 and 3500 Hz. Resonance: 50 Hz. Capacity: 60 watts peak. Impedance: 16 ohms. Depth, 7". Shpg. wt., 16 lbs.
20 B 8137 X. \$5 Monthly.....42.10

ELECTRO-VOICE

B



UTAH

C



B Electro-Voice LS-15 15" Speaker

Was \$26.55. Don't pass up this truly amazing speaker value! The extremely popular, Electro-Voice full-range 15" Model LS-15 two-way speaker incorporates the famous "Wolverine" crossover and Radax propagator. Provides ultra-smooth frequency response from 30 to 14,000 Hz. Cone resonance: 50 Hz in free air. Mechanical crossover at 4500 Hz. Sensitivity rating: 47 dB EIA. Power handling capacity: 20 watts (40 watts peak). Four ⅝" mounting holes are equally spaced on 1½" circle; fits 13½" baffle opening. Impedance, 8 ohms. Depth, 6½" behind panel. Shpg. wt., 10 lbs.
20 B 8123 X. New Low Price.....18.88

C Utah C8JC-2 8" Speaker

Thanks to our special purchase, you can now own this renowned Utah "Celesta" speaker at an all-time low price. Well-designed 8" 2-way coaxial unit offers pressure-cast frame for lasting precision, shallow profile, large frame "windows" for free cone movement—plus a host of other features for professional performance. Solidly constructed and precision assembled. Frequency response: 35-19,000 Hz. Magnet wt.: 10 oz. Voice coil dia.: 1". Cone resonance: 65 Hz. Power handling capacity: 15 watts (30 watts peak). Impedance: 8 ohms. Depth, 3⅞". Mounting dia., 7⅞". Deluxe terminals. Color coded for easy stereo phasing, can be tightened with your fingertips. Shpg. wt., 4¾ lbs.
20 B 8438. New Low Price!.....8.88

Lowest Price Ever! **\$8⁸⁸**

Save **\$7.67**

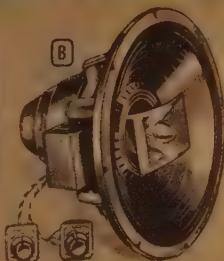
Was **\$26.55** **\$18⁸⁸**

Full-Range 15" Hi-Fi Speakers



JENSEN

\$271⁶⁶



UNIVERSITY

\$157⁵⁰



ALTEC-LANSING

\$149⁵⁰

A Jensen G610B Triaxial®. Jensen's best 3-way! Offers ultimate in balance, smoothness, tonal purity. Combines 15" woofer with 6½-lb. Alnico V magnet for bass below 25 Hz; thru-bore compression mid-range horn (600-4000 Hz); plus super-tweeter (4000 Hz to beyond audibility). Dual crossovers, 600/4000 Hz. Bal. controls. 40 watts. 16 ohms. 10½" deep. 46 lbs.
20 B 8370 U. \$14 Monthly... 271.66

B University 315C. The perfect 3-way speaker for full-range sound! Large, theater-type woofer with 14-lb. magnet, dual-spider piston and anti-breakup, low-resonance diaphragm. Diffusiocone midrange, heavy-duty driver, wide-angle super-tweeter VHF horn. Balance control. 25 Hz to beyond audibility. 50 watts. Impedance, 8/16 ohms. 12" deep. Shpg. wt., 34 lbs.
20 B 8008 U. \$8 Monthly... 157.50

C Altec Lansing 602D. Efficient 2-way 15" speaker features high-compliance low-frequency cone driven by 3" voice coil. Compression driver and fiber-glass horn; 40°x90° dispersion. Response, 20-22,000 Hz. Capacity, 25 watts. Impedance, 8 ohms. Depth, 7¼". Shpg. wt., 21 lbs.
20 B 8220 U. \$8 Monthly... 149.50



NEW!

NEW!

ELECTRO-VOICE

ALTEC-LANSING

UTAH

LINCOLN

\$79²⁰

\$77⁵⁰

\$39⁹⁵

\$19⁹⁵

D Electro-Voice SP15. Full-range speaker has 15" woofer with radax cone and 4½-lb. double-flux ceramic magnet. Response down to 25 Hz; special LC circuit with L-pad control extends high-end response. Crossover: 3500 Hz. Resonance: 25 Hz. Capacity: 40 watts. 16 ohms. 8½" deep. Wt., 29¾ lbs.
20 B 8132 U. \$6 Monthly... 79.20

F New Utah D15PXC-3. Big new 15" 3-way coaxial speaker has 28-oz. barium-ferrite woofer magnet, 1½" voice coil, and 4" tweeter protected by anodized aluminum screen. Response, 20-18,000 Hz. Resonant frequency, 28 Hz. Capacity, 45 watts peak. Imp., 8 ohms. 8" deep. Shpg. wt., 12 lbs.
20 B 8230 X. \$5 Monthly... 39.95

E New Altec-Lansing 415C. Modestly priced full-range speaker employs exclusive "Biflex" multiple compliance for unusually wide frequency range. Response, 30-15,000 Hz. Mechanical crossover at 1000 Hz. Cone resonance, 32 Hz. Capacity, 20 watts. Impedance, 8 ohms. Depth, 5½". Shpg. wt., 19 lbs.
20 B 8211 X. \$5 Monthly... 77.50

G Lincoln L-155. Here's a 15" 3-way hi-fi speaker at a truly amazing price—an excellent choice for budget stereo systems! Response, 25-18,000 Hz. Woofer has 1" voice coil, treated cone. Whizzer cone and high-frequency tweeter. 1¼-lb. magnet. Capacity, 40 watts peak. 8 ohms. 8" deep. Wt., 10 lbs.
20 B 8160 X. \$5 Monthly... 19.95

ALTEC
LANSING



\$179¹⁰

\$9 monthly

Altec 604E 15" Speaker

Studio-Quality Speaker Featuring True Multi-Cell High-Frequency Horn, High-Compliance 15" Cone, Massive 27-Lb. Dual-Magnetic Structure

"Super-Duplex" 2-way 15" speaker —latest in the famous Altec 604 Series. Exceptional attack time and distortion-free 20-22,000 Hz response. Widely used in professional recording and broadcast monitoring.

Coaxially mounted multicellular horn gives 40°x90° dispersion. Dual full-section 1500-Hz crossover network. Level control. Resonance: 25 Hz. Capacity: 35 watts. Impedance: 8/16 ohms. Depth, 11½". Shpg. wt., 40 lbs.

20 B 8215 U. \$9 Monthly... 179.10

ELECTRO-VOICE



\$117⁰⁰

\$6 monthly

E-V 15TRX 15" Speaker

- Electro-Voice's Finest 3-Way!
- 15" Woofer, Heavy Ceramic Magnet
- Horn-Loaded Super-Tweeter

Popular 3-way hi-fi speaker offers 15" woofer with 4½-lb. ceramic magnet, E-V's exclusive radax propagator, plus horn-loaded super-tweeter with 6.8-oz. Alnico V magnet.

Response, 25-20,000 Hz. Dual crossovers at 2000 and 3500 Hz. Balance controls. Resonance: 25 Hz nom. Capacity: 40 watts. Impedance: 16 ohms. Depth, 8¼". Shpg. wt., 30½ lbs.

20 B 8136 U. \$6 Monthly... 117.00

ELECTRO-VOICE



\$35¹⁰

\$5 monthly

LT-12 12" 3-Way Speaker

- Powerful 12" Woofer—13 oz. Ceramic Magnet
- 40 Hz to Beyond Audibility

Popular "Wolverine" speaker has 12" woofer with 13 oz. ceramic magnet. Radax midrange and horn tweeter. Offers full bass response from 40 Hz to brilliant highs beyond the range of audibility. Crossovers. Capacity, 20 watts, 40 watts peak. 8-ohms. 5¼" deep. Wt., 9 lbs. 20 B 8120 X. \$5 Monthly. 35.10

12" 3-Way Hi-Fi Speakers

ELECTRO-VOICE



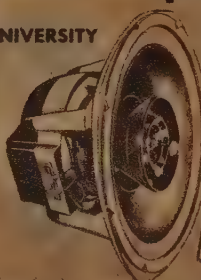
\$108⁰⁰

\$6 monthly

12TRX 12" 3-Way Speaker

E-V's finest 12" 3-way speaker. Boasts outstanding high-frequency reproduction combined with excellent bass response for superb full-range sound. 12" woofer with 3-lb. magnet and Radax midrange, plus wide-dispersion horn tweeter. Response, 30 Hz to beyond audibility. Resonance, 35-45 Hz. Crossovers at 2000 and 3500 Hz. Capacity, 40 watts, 80 watts peak. Impedance, 16 ohms. 7½" deep. Shpg. wt., 25 lbs. 20 B 8138 U. \$6 Monthly. 108.00

UNIVERSITY



University's
Best-Selling
12" 3-Way
Hi-Fi Speaker

\$76⁰⁵

\$5 monthly

312 12" 3-Way Speaker

University's best-selling three-way speaker. Features superb bass response from massive 12" woofer. "Diffusicone" midrange and "Sphericon" super-tweeter for extra wide 28-40,000 Hz response. 120° dispersion tweeter has reflector baffle to prevent acoustic interaction. Has LC crossover, brilliance control. Elements precisely aligned in rugged metal frame. Capacity, 30 watts. Impedance, 8-16 ohms. 6¾" deep. Wt., 10¼ lbs. 20 B 8006 X. \$5 Monthly. 76.05

NEW!

UNIVERSITY

\$59⁹⁵

\$5 monthly



JENSEN



\$47⁴³

\$5 monthly

A New University 1212 12" 3-Way Speaker. Excellent speaker for use in the best hi-fi systems. Provides full, rich bass from 12" woofer, clear middle frequencies from mid-range, thrilling highs from tweeter. Response, 35-30,000 Hz. Crossover. Power Capacity, 30 watts. Impedance, 8 ohms. 6¾" deep. Shpg. wt., 10¼ lbs. 20 B 8059 X. \$5 Monthly. 59.95

B Jensen SG-220 3-Way Speaker. 12" woofer with 1-lb. magnet provides deep bass response down to 20 Hz. Important midrange frequencies are handled by a smooth midrange radiator. Wide-dispersion super-tweeter offers startlingly clear highs. Response, 20-18,000 Hz. Capacity, 20 watts. 8 ohms. 5¼" deep. Wt., 11¼ lbs. 20 B 8374 X. \$5 Monthly. 47.43

\$34⁸⁹

\$5 monthly

Jensen DL-220 12" 3-Way Speaker

Provides excellent hi-fi sound at a moderate price. 12" woofer with 1-lb. magnet for full bass. Midrange radiator and compression tweeter. Frequency response, 25-17,000 Hz. Capacity, 20 watts. Impedance, 8-ohms. 5¼" deep. Shpg. wt., 11¼ lbs. 20 B 8376 X. \$5 Monthly. 34.89



UNIVERSITY

\$35⁵⁵

\$5 monthly



C University M-12T "Mustang" 12" 3-Way Speaker. Dual diaphragm 12" speaker for superb low and mid-frequency reproduction. "Sphericon" tweeter extends highs beyond the limits of human audibility, achieves extrawide dispersion. Response, 35-40,000 Hz. Capacity, 30 watts. Impedance, 8 ohms. 3¼" deep. Wt., 9 lbs. 20 B 8280 X. \$5 Monthly. 35.5

D New Utah C12PC-3B 12" 3-Way Speaker. Powerful 12" woofer boasts cloth-roll suspension for higher compliance and richer bass. Offers outstanding midrange and extended high-frequencies. Crossover. Response, 25-20,000 Hz. Resonant frequency, 25 Hz. Capacity, 45 watts peak. Impedance, 8 ohms. 5½" deep. 20 B 8229 X. Wt., 11¼ lbs. \$5 Monthly. 34.9

UTAH

\$34⁹⁵

\$5 monthly



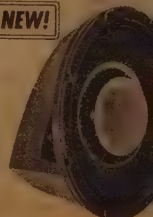
New Utah C12P-4 12" 3-Way Speaker

\$24⁹⁵

\$5 monthly

Low-cost 3-way speaker. 12" woofer with 1½" voice coil and 1¼-lb. magnet delivers rich bass. Dual cones for extended high-frequency response. Resonant freq., 50 Hz. Response, 30-20,000 Hz. Capacity, 45 watts. 8 ohms. 5½" deep. Wt., 12 lbs. 20 B 8228 X. \$5 Monthly. 24.95

NEW!



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	TUNER	
	Case for Above	☐ Walnut ☐ Metal ☐ No Case
	CHANGER or TURNTABLE	
	Cartridge	
	Base for above	 ☐ Walnut ☐ No Base
	Dust Cover for above	☐ Yes ☐ No
	45-rpm spindle for above	☐ Yes ☐ No
	SPEAKERS	
	Wood finish, if in enclosures _____	
OTHER ITEMS _____ _____ _____		

Name _____
PLEASE PRINT

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Popular 12" 2-Way Speakers



ALTEC-LANSING
\$102.60 \$6 monthly

WHARFEDALE
\$76.08 \$5 monthly

JENSEN
\$69.58 \$5 monthly

ELECTRO-VOICE
\$61.20 \$5 monthly

Model 6201

\$62.55

\$5 monthly

One of the Finest
 Hi-Fi Speakers
 Ever Designed

12" 2-Way Speaker

- Brilliance Control
- 2500 Hz Crossover
- Compression Tweeter

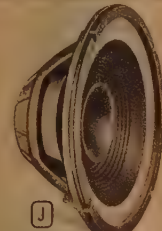
12" coaxial with separate magnet structures for woofer and compression-type tweeter. Brilliance control. Response, 28 Hz to beyond audibility. Capacity, 35 watts. Impedance, 8-16 ohms. 2500 Hz crossover. 6 3/8" deep. Shpg. wt., 10 1/2 lbs.
 20 B 8009 X. \$5 Monthly. 62.55

A Altec 601C 12" 2-Way Speaker. 12" woofer with 9 1/2-lb. magnet structure. Compression HF driver coupled to multi-cell horn. 30-22,000 Hz. 40 watts peak. 8 ohms. 5 3/4" dp. 15 lbs.
 20 B 8219 X. \$6 Monthly. 102.60

C Jensen SG-223. Outstanding 12" 2-way. "Flexair" woofer with 1 3/4-lb. magnet, horn-loaded reflex tweeter. Response, 20-20,000 Hz. Capacity, 30 watts. Impedance, 8 ohms. Crossover. 6 3/8" deep. Wt., 15 lbs.
 20 B 8382 X. \$5 Monthly. 69.58

D Electro-Voice SP12. 12" coax has treated woofer, 3-lb. magnet; Radax HF radiator. Crossover, 4000 Hz. Response, 30-15,000 Hz. Capacity, 80 watts peak. Impedance, 16 ohms. 7 1/2" deep. Shpg. wt., 21 lbs.
 20 B 8130 K. \$5 Monthly. 61.20

B Wharfedale 12/RS/DD. Die-cast frame and roll suspension. Response, 25-20,000 Hz. Capacity, 50 watts peak. Impedance, 16 ohms. 5 1/2" deep. From England. 17 lbs.
 20 B 8183 X. \$5 Monthly. 76.08



PIONEER
\$59.50 \$5 monthly

UNIVERSITY
\$46.50 \$5 monthly

ELECTRO-VOICE
\$35.10 \$5 monthly

JENSEN
\$34.89 \$5 monthly

JENSEN
\$20.19 \$5 monthly

E New Pioneer PAX-30G. 2-way speaker with 12" woofer and oblong exponential horn tweeter. 34-18,000 Hz. 30 watts peak. 8 ohms. 15 1/2" deep. Japan. 8 lbs.
 20 B 8076 X. \$5 Monthly. 59.50

G E-V SP12B. Wide-range coaxial reproducer. High-compliance 12" woofer. Radax super-tweeter. 35-15,000 Hz. 30 watts. 16 ohms. Crossover. 6 3/4" deep. Wt., 14 lbs.
 20 B 8131 X. \$5 Monthly. 35.10

J Jensen DL-120. Low-cost dual-cone boasting "Flexair" woofer, plus mid- and high-frequency radiator. 40-15,000 Hz. Capacity, 20 watts. 8 ohms. 5 1/4" deep. 9 lbs.
 20 B 8384 X. \$5 Monthly. 20.19

F University Diffusicone-12. Dual horn-loading at apex of woofer cone extends midrange and HF response. 25-15,000 Hz. 35 watts. 8 or 16 ohms. 6 3/8" deep. 8 3/4 lbs.
 20 B 8007 X. \$5 Monthly. 46.50

H New Jensen SG-120. Deep bass from 12" woofer. Brilliance control on 30-in. cable. Response, 25-15,000 Hz. 40 watts peak. 8 ohms. Wt., 9 3/4 lbs.
 20 B 8309 X. \$5 Monthly. 34.89

K New Utah C12C-2. 12" 2-way dual cone, 10-oz. magnet, 1" voice coil. 30-17,500 Hz. 35 watts. 8 ohms. 9 lbs.
 20 B 8226 X. 19.95
 20 B 8227 X. C12PC-2A. 30-20,000 Hz. 10 3/4 lbs. 26.50



\$19.80 **L Electro-Voice LS12A 12" 2-Way Speaker**

Wide-range "Wolverine" speaker may also be used as a low-frequency driver. Specially treated woofer with 13-oz. ceramic Indox magnet for extended bass. Radax tweeter offers thrilling highs. Response, 40-14,000 Hz. 20 watts. 8 ohms. 3 1/4" deep. Wt., 8 lbs.
 20 B 8476 X. \$5 Monthly. 19.80

M Lincoln L-102 2-Way \$9.95 12" Hi-Fi Speaker

For budget stereo systems. Treated woofer cone delivers deep bass response. Whizzer cone handles midrange and highs. Powerful 1 1/4-lb.-equivalent Alnico V dual diameter magnet. Response, 30-14,000 Hz. Capacity, 20 watts. Impedance, 8 ohms. 6 3/8" deep. Wt., 6 1/4 lbs.
 20 B 8440 X. 9.95



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\$895

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Selling for Much More!



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University
\$4275



B
Pioneer
\$3740



C
Electro-Voice
\$2970



D
University
\$2925

Model L-103. You get Value-Plus for your hi-fi speaker dollar! Features treated whizzer cone for crystal-clear reproduction of midrange and high frequencies. Powerful, dual-diameter magnet equiv. to 1-lb., 5½-oz. Alnico V magnet. 1½" voice coil. Frequency Response: 35-14,000 Hz. Power Handling Capacity: 20 watts. Impedance: 8 ohms. Binding post terminals for fast, easy connection. 5" deep.
20 B 8441. Wt., 5 lbs. **\$8.95**

A University 308. Three-way speaker has 8" woofer, diffusicone midrange, sphericon tweeter. Response, 30-17,000 Hz. 35-watt capacity. 8-16 ohms. Depth, 6½". Wt., 6 lbs.
20 B 8011. \$5 Monthly. **42.75**

B Pioneer PAX-20F. Deluxe 8-in. 2-way speaker. 50-20,000 Hz. Rigid die-cast frame. 8" cloth-edge woofer with 13-oz. magnet and exponential-horn tweeter. 15 watts. 8 ohms. Depth, 5½". Japan. Wt., 8 lbs.
20 B 8075. \$5 Monthly. **37.40**

C Electro-Voice 1T-8. Three-way speaker, die-cast frame. 8" woofer, 2" voice coil, 10-oz. magnet. Radax midrange cone, tweeter. 45-18,000 Hz. 20 watts. 8 ohms. 3½" deep. 7 lbs.
20 B 8068. \$5 Monthly. **29.70**

D University Diffusicone-8. Two-way speaker. 30-15,000 Hz. 35-watts. 8 or 16 ohms. 4½" deep.
20 B 8010. 5 lbs. \$5 Monthly. **29.25**
University 201. (Not illus.) 8" 2-way. 50-20,000 Hz. 30 W. 8 ohms. 3½" deep.
20 B 8064. 3 lbs. \$5 Monthly. **21.00**

Altec 8" Biflex Speaker

- Big-Speaker Performance
- Large Index V 1½-Lb. Magnet
- 40-15,000 Hz Response

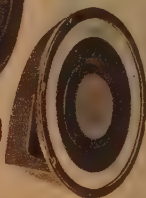
Model 755C. So thin you can mount it just about anywhere—mounting depth is only 2¼". Has multiple concentric compliance suspension for maximum cone travel. Frequency response: 40-15,000 Hz. 90° dispersion. Powerful Index V 1½-lb. magnet. Edge-wound aluminum voice coil. Power capacity: 15 watts. Impedance 8 ohms.
20 B 8217 X. 5 lbs. \$5 Mo. 20.00



Altec-Lansing
\$2900



E **\$2253**
Wharfedale



Utah
\$1995

E Wharfedale 8" Super 8/RS/DD. Resonance: 50-60 Hz. Alum. voice coil. Frequency response: 40-20,000 Hz. Power capacity: 20 watts. Impedance: 10-15 ohms. Mounting depth: 3½ inches. From England.
20 B 8235. 6 lbs. \$5 Mo. 22.53

F Utah C8JC-A 8" Speaker. Cast asymmetric frame. 35-20,000 Hz. 10-oz. magnet. 15 watts. 8 ohms. 3½" deep.
20 B 8224. 5½ lbs. \$5 Mo. 19.95

Utah C8JC-4 (Not illus.). 8" 3-way speaker. 32-20,000 Hz. 35 W. 8 ohms. 3½" deep.
20 B 8225. 5 lbs. \$5 Mo. 24.95



G
Electro-Voice
\$1800



H
Jensen
\$1784



J
Utah
\$1495



K
Jensen
\$1372



L
Electro-Voice
\$1260

G LS8 8" 2-Way Speaker. Mounts in ceiling, wall and thinline enclosures. Radax midrange and high-frequency cone. Response: 40-14,000 Hz. Cap.: 25 watts. Imp.: 8 ohms. 3½" deep.
20 B 8124 X. Wt., 4 lbs. **18.00**

H SG-80 8" 2-Way Dual-Cone Speaker. Large ½-lb. magnet. Frequency response: 40-12,000 Hz. Power Capacity: 12 watts. Impedance: 8 ohms. Depth: 3½". Binding post terminals. 20 B 8388 X. Wt., 5 lbs. **17.84**

J D8P 8" Two-Way Speaker. Low cost with quality features throughout. Includes: 1½-lb. dual-diameter magnet and 1½" voice coil. Frequency response: 35-13,000 Hz. Power capacity: 37 watts peak. Voice coil impedance: 8 ohms. Mounting depth: 4". Wt., 5½ lbs.
20 B 8158 X. **14.95**

K D180 Dual Cone 8". Low-cost hi-fi speaker with dual-cone design. Has 8" woofer plus midrange radiator cone for extended highs. ½-lb. magnet for low 50-Hz response. Treble extends to 15,000 Hz. 20-watt program capacity. Binding post terminals. 3½" deep. 8 ohms.
20 B 8389 X. 4 lbs. **13.72**

L MC8A 2-Way Speaker. Exceptional value in a low-cost, ultra-compact speaker. Only 3½" deep. Woofer has ceramic magnet structure; Radax midrange and high-frequency cone. Frequency response: 50-13,000 Hz. Power handling capacity: 12 watts. Impedance: 8 ohms.
20 B 8472. 5 lbs. **12.60**

High-Fidelity Speakers and Accessories

Popular 15" Hi-Fi Woofers

- A** University C15W. Twin suspension 14-lb. mag. structure and dual voice coil. Response: 25 to 1500 Hz. Capacity: 50 watts. Impedance: 4-20 ohms. 10 1/4" deep.
20 B 8025 U. Shpg. wt., 26 1/4 lbs. \$5 Monthly..... **\$9.55**
- B** E-V 15W. Essentially flat response from 20 to 1200 Hz. Large 5 1/2-lb. magnet. Resonant frequency: 25-35 Hz. Impedance: 16 ohms. Capacity: 30 watts, 60 watts peak.
20 B 8072 U. Shpg. wt., 29 3/4 lbs. \$5 Monthly..... **\$9.10**
- C** University C15HC. Twin-suspension 8-lb. mag. structure and dual voice coil. Response: 18-800 Hz. Free-air resonance: 28 Hz. Capacity: 60 watts. Output impedances: 4, 8, 16 ohms and 10-20 ohms. 8 3/8" deep.
20 B 8026 U. Shpg. wt., 25 lbs. \$5 Monthly..... **\$5.50**
- D** Jensen W15-LF. "Flexair" design for 16-2000 Hz response. 3 1/2-lb. Alnico V magnet. Resonance: 16 Hz. Capacity: 15 watts. Impedance: 8 ohms. 8" deep.
20 B 8301 X. Shpg. wt., 15 1/2 lbs. \$5 Monthly..... **\$0.36**
- E** Empire 9000-15W. Frequency response: 20-1000 Hz. Has 18-lb. magnet structure and 4" voice coil. Power capacity: 75 watts. Impedance: 8 ohms. 6" deep.
20 B 8452 U. Shpg. wt., 25 lbs. \$5 Monthly..... **\$7.95**
- F** Lincoln L-109. A 15" woofer for budget music systems. Response: 25-4500 Hz. 20-oz. equivalent dual-diameter Alnico V magnet and 1 1/2" voice coil. Binding posts for quick hookup to amplifier. Power capacity: 30 watts. Impedance: 8 ohms. Mounting depth: 8".
20 B 8445 X. Shpg. wt., 9 lbs..... **\$15.95**



University
\$89.55



Electro-Voice
\$89.10



University
\$85.50



Jensen
\$80.36



Empire
\$79.95



Lincoln
\$15.95

Best Selling 12" Hi-Fi Woofers

- G** E-V 12W. Essentially flat frequency response of 25 to 1200 Hz. Powerful 3-lb. magnet. Impedance: 16 ohms. Power capacity: 25 watts, 60 watts peak. Free-air resonant frequency: 35 to 45 Hz.
20 B 8071 U. Shpg. wt., 21 lbs. \$5 Monthly..... **\$7.10**
- H** Empire 8000-12W. Features 4" voice coil and ultra-massive 18-lb. magnet structure. Response: 25-1000 Hz. Capacity: 60 watts. Impedance: 8 ohms. 3 1/2" deep.
20 B 8451 U. Shpg. wt., 21 lbs. \$5 Monthly..... **\$6.95**
- J** University C-12HC. "Uniferrox-7" 2 3/4-lb. magnet and dual voice coil. Response: 20-3000 Hz. Capacity: 50 watts. Impedance: 4-20 ohms. 6 7/8" deep.
20 B 8027 X. Shpg. wt., 14 lbs. \$5 Monthly..... **\$4.60**
- K** Jensen W12NF. A 12" woofer with Flexair suspension, 20-2000 Hz frequency response. Large 1 3/4-lb. magnet. Free-air resonance: 20 Hz. Impedance: 8 ohms. Power capacity: 35 watts. Shpg. wt., 9 1/4 lbs.
20 B 8300 X. \$5 Monthly..... **\$4.86**
- L** Lincoln L-112. Low-cost 12" woofer with 30-4000 Hz response. 20 oz. equiv. dual-diameter Alnico V magnet, 1 1/2" voice coil. Binding posts. Capacity: 25 watts. 8 ohms.
20 B 8444 X. Shpg. wt., 7 1/2 lbs..... **\$12.95**



Electro-Voice
\$71.10



Empire
\$66.95



University
\$48.60



Jensen
\$45.86



Lincoln
\$12.95

Selected Speaker Accessories



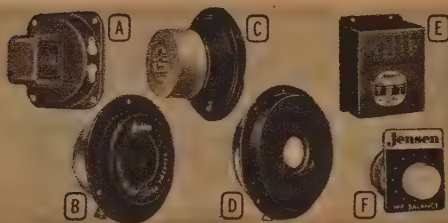
- M** **20 B 8442.** Lincoln L-104 Tweeter. 3500-16,000 Hz. 1-oz. Alnico V magnet, 5000 Hz crossover. 15 watts. 8 ohms. 8 oz..... **\$1.99**
- N** **20 B 8111.** Utah TXC-1 2 1/2-in. Tweeter. Compression tweeter with LC crossover, 50 ohm control. Response: 2000-19,000 Hz. 8 ohms. 2 3/8" deep. 1.47-oz. Alnico V magnet. 1 3/4 lbs..... **\$9.00**
- P** **20 B 8163.** Utah 4" Cloth-Roll Acoustic Suspension Speaker. Performs like a large speaker. 1 3/4-lb. magnet structure. 3/4" voice coil. 70-17,000 Hz. 18 watts peak. 8 ohms. 2 1/4 lbs..... **\$6.90**
- R** **20 B 8218.** Altec-Lansing 100A Bass Energizer. Begins operation at 150 Hz, most effective at 50 Hz. Boosts low-end bass by 6 dB. Does not affect midrange. Wt., 1 lb. \$5 Monthly..... **\$2.50**
- S** **20 B 8450 X.** Empire 9000/MMX Acoustic Lens. 450-20,000 Hz. Crossovers: 450, 5000 Hz. 60 watts. 10 3/4"x6 1/4"x3 3/4". 12 lbs. **\$4.95**



8" High-Fidelity Woofers

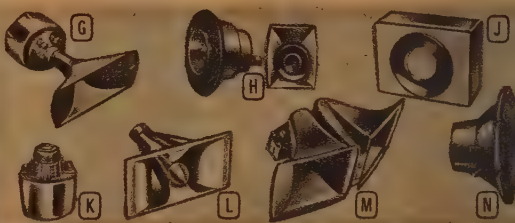
- T** **Jensen W8-PF 8" Woofer.** "Flexair" suspension. 14-oz. Synrox-6 magnet. Response: 35-2000 Hz. Capacity: 30 watts. Impedance: 8 ohms.
20 B 8308. Wt., 5 1/2 lbs. \$5 Monthly..... **\$33.59**
- W** **University C-8W 8" Woofer.** For compact multi-speaker systems. Alnico V magnet. 50-5000 Hz. 25 watts. 8 ohms. 4 1/2" deep.
20 B 8063. Shpg. wt., 3 lbs..... **\$18.90**
- X** **Lincoln L-105 8" Woofer.** Value plus! Response: 40-6000 Hz. 3 1/8" depth for thin enclosures. Power capacity: 20 watts. Impedance: 8 ohms.
20 B 8443. Shpg. wt., 3 lbs..... **\$6.95**

Speaker Accessories and Outdoor Speakers



JENSEN Speaker Accessories

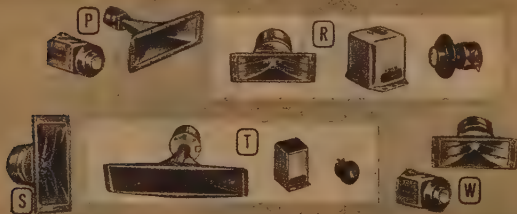
- A** TP35-V Direct Radiating Tweeter. With $3\frac{1}{2}$ " diaphragm. Frequency range: 2000-16,000 Hz. Capacity: 25 watts. Impedance: 8 ohms.
20 B 8302. Shpg. wt., $\frac{3}{4}$ lb. 5.10
- B** TE-40 Sono-Dome® Ultra-Tweeter. For use in 3- or 4-way systems above 4000 Hz response. 35 watts. Frequency range: 4000-25,000 Hz. Impedance: 8 ohms.
20 B 8303. Wt., $1\frac{1}{2}$ lbs. \$5 Monthly. 23.48
- C** MC8-R Direct Radiator 8" Mid-Frequency Unit. Closed back permits use in woofer enclosure. Frequency range: 600-4000 Hz. Capacity: 40 watts. Impedance: 8 ohms.
20 B 8304. Shpg. wt., 4 lbs. 18.23
- D** ME-20 Super Sono-Dome® Mid-Frequency Unit. Exceptionally broad sound dispersion. Range: 2000-15,000 Hz. Capacity: 35 watts. Impedance: 8 ohms.
20 B 8305. Wt., $5\frac{1}{4}$ lbs. \$5 Monthly. 28.93
- E** A6410/8 Crossover Network. 3- or 4-way. Crossover frequencies: 600, 4000 and optional 10,000 Hz. Capacity: 100 watts. Impedance: 8 ohms.
20 B 8306. Wt., 7 lbs. \$5 Monthly. 34.89
- F** BCL-2 Two-Deck L-Pad. Wirewound with knob and switch. For mid- and hi-frequency balance adjustments in multi-way systems. 45 watts, 8 ohms.
20 B 8307. Shpg. wt., $\frac{1}{2}$ lb. 7.02



UNIVERSITY Speaker Accessories

- G** 20 B 8051. HF-206 Tweeter. 2500 Hz to beyond audio range. For 3-way systems, use N-1 Filter, below. Capacity: 50 watts. 8 ohms. $6\frac{1}{2} \times 3\frac{1}{4} \times 6\frac{1}{4}$ ". Wt., $3\frac{1}{2}$ lbs. \$5 Monthly. 35.52
- H** 20 B 8283. MS Supertweeter. 3000-40,000 Hz. Crossover, brilliance control. 30 watts. 8 ohms. $3\frac{1}{2} \times 3\frac{1}{4}$ ". 1 lb. 15.66
- J** 20 B 8060. T-203W Sphericon Tweeter. 3000-40,000 Hz. Crossover, brilliance control. Capacity: 30 watts, 8 ohms. Walnut case. $6\frac{1}{4} \times 5\frac{1}{4} \times 2\frac{3}{4}$ ". 3 lbs. \$5 Monthly. 24.30
- K** 20 B 8061. T-202 Tweeter. Above, less case. $4\frac{1}{2} \times 4$ ". Shpg. wt., $2\frac{1}{2}$ lbs. \$5 Monthly. 24.30
- L** 20 B 8053. N-1 Adjustable High-Pass Filter. (Not illus.) 4-16 ohms. 2500, 5000, 10,000 Hz crossover. $3\frac{1}{2} \times 3\frac{1}{4} \times 3$ ". 2 lbs. 13.50
- AP-8** Level Control. (Not illus.) For 8-16 ohm systems.
20 B 8055. Shpg. wt., 2 oz. 3.78
- K** 20 B 8049. T-30 Midrange/HF Driver. For H-600 or Cobreflex horns. 350 Hz to beyond audibility. 50 watts. 8 ohms. $1\frac{1}{2} \times 18$ throat. $3\frac{1}{2} \times 3\frac{1}{4}$ ". Wt., $2\frac{3}{4}$ lbs. \$5 Monthly. 30.06
- L** 20 B 8050. H-600 Midrange/HF Horn. Midrange down to 600 Hz. $7\frac{3}{4} \times 8\frac{3}{4} \times 4\frac{3}{4}$ ". Wt., 2 lbs. \$5 Monthly. 21.42
- M** 12 B 7566 X. Cobreflex-2 Twin-Flare Horn. Midrange down to 200 Hz. $1\frac{1}{2} \times 18$ throat. $10\frac{1}{4} \times 18\frac{1}{2} \times 9\frac{1}{4}$ ". Use with T-30 above. Shpg. wt., $10\frac{1}{4}$ lbs. \$5 Monthly. 24.03
- N** 20 B 8048. C-8M 8" Midrange Speaker. 500-5000 Hz. 50 watts. Impedance: 8 ohms. Shpg. wt., $3\frac{1}{2}$ lbs. 16.38

Outdoor High-Fidelity Speakers



ELECTRO-VOICE Speaker Accessories

- P** HF-1 Tweeter Pkg. Wide-angle tweeter; 3500 Hz crossover; level control; wiring. Response: 3500 Hz to beyond audio range. Capacity: 25 watts. Impedance: 8 ohms. Shpg. wt., 3 lbs.
20 B 8128. \$5 Monthly. 25.20
- R** BB-1 Deluxe Tweeter Pkg. T35 tweeter, X36 crossover, AT37 control. Impedance: 16 ohms. Shpg. wt., 6 lbs.
20 B 8113. \$5 Monthly. 42.30
- S** T-35 Tweeter. Response: 3500-20,000 Hz. Capacity: 30 watts. Impedance: 16 ohms. Shpg. wt., $3\frac{1}{2}$ lbs.
20 B 8142. \$5 Monthly. 28.80
- T** BB-4 Pkg. T25A driver; 8HD diffraction horn; X8 crossover; AT37 control; wiring. 30 watts, 16 ohms. Wt., $15\frac{1}{4}$ lbs.
20 B 8114 X. \$5 Monthly. 97.20
- W** MF1 Midrange Spkr. Pkg. MR-10 treble driver; CR-10 crossover; level control; wiring. 1000-15,000 Hz. 20 W. 8 ohms.
20 B 8129 X. Wt., 3 lbs. \$5 Monthly. 26.55



- X** HFOD-8A Utah HFOD-8A Patto Speaker. Low-cost 8" 2-way in weatherproof drawn steel green cabinet. 35-18,000 Hz. Volume control, 25' cable. Capacity: 15 watts. Impedance: 8 ohms. $10\frac{1}{2} \times 10\frac{1}{2} \times 5\frac{1}{2}$ ".
20 B 8448 X. Shpg. wt., $7\frac{1}{2}$ lbs. 12.95
- Y** E-V Sonocaster I. Lightweight, rugged and weatherproof for extension or portable use anywhere. Has wide-range response of 70-13,000 Hz. Radax coaxial 8" reproducer. Molded gray housing. Power capacity: 30 watts, peak. Impedance: 8 ohms. $16\frac{1}{2} \times 17 \times 5\frac{1}{2}$ ". With accessory hang-up bracket. Shpg. wt., 8 lbs.
20 B 7237 X. \$5 Monthly. 22.50
- Z** E-V Musicaster I. Weatherproofed 8" Radax speaker provides dual horn-loading for smooth response from 60-13,000 Hz. Rugged one-piece aluminum die-cast frame. 60 watts, peak. 8 ohms. $21\frac{1}{2} \times 21\frac{1}{2} \times 8\frac{1}{2}$ ".
20 B 8432 U. Wt., 37 lbs. \$5 Monthly. 72.00
20 B 8431 U. Musicaster II. Above, but with VHF driver. Smooth to 18,000 Hz. Shpg. wt., 39 lbs. \$5 Mo. 90.00

Attractive Cabinets for Records and Components



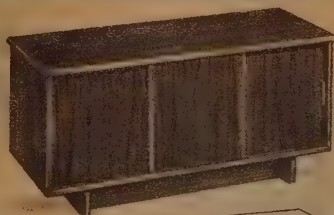
\$2995 Room for 300 LP's



Tilt-Out Record Cabinet

Solid construction in a good-looking cabinet that holds up to 300 LP's in two tilt-out bins. Every record is easily accessible. Top of cabinet supports even large phonographs. Sturdy metal legs. Brass-enameled hardware, walnut-print finish. Shipped knocked down. 20x40x27". Shpg. wt., 40 lbs. Express.

20 B 9036 Z. \$5 Monthly.....29.95



\$1995 3 Sliding Doors



Pedestal Record Cabinet

Handsomely styled to hold up to 200 easy-to-reach LP's. Three sliding doors make records readily accessible. Built-in divider keeps them upright—prevents record warping. Finished in scratch- and stain-resistant walnut vinyl plastic on solid core. Matching grained edges. 19x40x16". Shpg. knocked down. 39 lbs.

20 B 9037 Z. \$5 Monthly.....19.95



\$2260 Ready-to-Finish



3-Section Equipment Cabinet

High-quality Ponderosa pine equipment/record cabinet, sanded and ready for you to stain or paint. Save money and get extra satisfaction because you finish it yourself. Top compartments, each 9 1/4"x17x15 1/8"; lower, 13 3/8"x34 1/2"x15 1/8". Overall size, 30x36x18", including 6" legs. Shpg. wt., 43 lbs. Shipped express.

20 B 9143 Z. \$5 Monthly.....22.60

Roomy 40" Cabinet—3 Styles

Holds up to 400 LP's, serves as a TV or stereo center. Can also be a bar, room divider or bookcase. Choose from three styles and finishes to match your decor. Has three smooth-sliding doors, raised back galleries, and brass-finished period-matched hardware. Overall size, 26x40x17". Sturdy construction, easily assembled. Shipped knocked down. Shpg. wt., 30 lbs. Modern. Smooth, clean lines. Features attractive walnut finish.

20 B 9115 U. \$5 Monthly.....21.95

Spanish. True Spanish styling with distinctive fruitwood finish.

20 B 9116 U. \$5 Monthly.....21.95

Early American. Traditional design, with attractive salem maple finish.

20 B 9117 U. \$5 Monthly.....21.95



\$1295



Sliding Doors



For Records and Equipment

\$5995



\$5750



Lift-Top
Phono
Compartment

Modern Cabinet Stores 200 LP's

Smart record cabinet blends with any decor. Sturdy hardwood construction. Roomy storage section, with sliding doors, allows for dust-free storage of 200 LP's. Stain- and scar-resistant finish in handsome oiled walnut. Overall size 26x15x26". Easily assembled. Shipped knocked down. Shpg. wt., 4 lbs.

20 B 9119 K.....12.95

Gamber-Johnson "Compact"

Model GJ-808. Compact cabinet offers maximum capacity for areas where space is limited. Phono section has lift lid. Inside, 9x18 3/4"x14 1/4". Center receiver section has custom mtg. panel and vented shelf. Inside, 5 1/2"x18 1/2"x17". Record storage space at bottom, 13x18 3/4"x17". Lustrous walnut finish. Shpg. wt., 36 lbs.

20 B 9038 ZF. \$5 Monthly.....59.95

Rockford "Space-Saver"

Model 200. Striking contemporary design in a cabinet made specially for installation of your high-fidelity components. Top section for phono or tape recorder measures 6x18 1/2"x16". Lower compartment for amplifier or receiver measures 10 1/2"x18 1/2"x16 1/2". Overall size, 27x20 1/2"x18". Attractive walnut finish. Shpg. wt., 41 lbs.

20 B 9039 ZF. \$5 Monthly.....57.50

Beautiful Your Hi-Fi System Now—Use Your Allied Credit Fund

ALLIED 91



HI-FI FURNITURE

Distinctive Hi-Fi Furniture

SPACIOUS CONTEMPORARY CABINETS
WITH SPECIAL ACOUSTICAL DESIGNS

Expertly crafted cabinets
in a modern motif, right at home
with contemporary interior design.
Provide a decorator's touch
to beautify your home
plus excellent acoustics
for your high-fidelity components.



A		D
B	C	E

All sections are 17 1/4" wide.
A and D: 9" high, 15 1/2" deep.
B and E: 13" high, 16 1/2" deep.
C is 21 3/4" high,
1 1/4" deep with adj. shelves.

Deluxe Ensemble—Extra-Spacious 3-Section Cabinet in Kit or Assembled Form

3-Piece Ensemble Kit	\$169 ⁹⁵	Eqpt. Cabinet Kit	\$99 ⁹⁵	Speaker Enclosure Kit	\$39 ⁹⁵
	\$9 monthly		\$5 monthly		\$5 monthly

Ensemble features the extra-spacious KN-1580 equipment cabinet and KN-1511A speaker enclosures. Separate compartments for record player and tape recorder give ample room for up-dating or expanding your system. Convenient lift-lids provide easy access. Removable motor boards. Bass-reflex speaker enclosures herded ports for enhancing bass. Baffles pre-cut for 15" speaker adapters for 12" speakers also included. Brown grille cloth. All three pieces have 3/4" construction with walnut veneer.

Equipment cabinet, 27 1/4 x 57 1/8 x 17 1/4". Each speaker enclosure 27 1/4 x 18 1/4 x 17 1/4". Kits, with pre-drilled holes, assemble easily in an evening—a screwdriver is all you need. Sanded and ready for application of quick-drying walnut finishing oil included. With instructions. Shipping information below. All assembled cabinets finished in oiled walnut.

20 B 9366 ZF. Ensemble Kit. \$9 Monthly. Wt., 245 lbs.	169.95
20 B 9358 ZF. Equipment Cabinet Kit Alone. Wt., 135 lbs.	99.95
20 B 9357 ZF. KN-1511AK Enclosure Kit Alone. Wt., 55 lbs.	39.95
20 B 9367 ZF. Ensemble Assembled. \$12 Monthly. 245 lbs.	234.95
20 B 9362 ZF. Assembled Cabinet Alone. 55 lbs.	139.95
20 B 9361 ZF. KN-1511A Assembled Enclosure Alone. 55 lbs.	49.95
20 B 9460 XF. Custom-Mount Panel for Model 1580. Walnut veneer. Cutout to fit components. 14 x 17 3/8". Wt., 4 lbs.	2.95

SHIPPING INFORMATION

Furniture on these two pages is shipped by truck or express from Stevens Point, Wisconsin (shipping charges collected by carrier on delivery). Allow 30 days for kits, 45 days for assembled units. N.C.O.D. orders.



OpenFront and Lift-Top Provide Easy Access to Records and Equipment

NEW!

Equipment/Record Cabinet

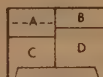
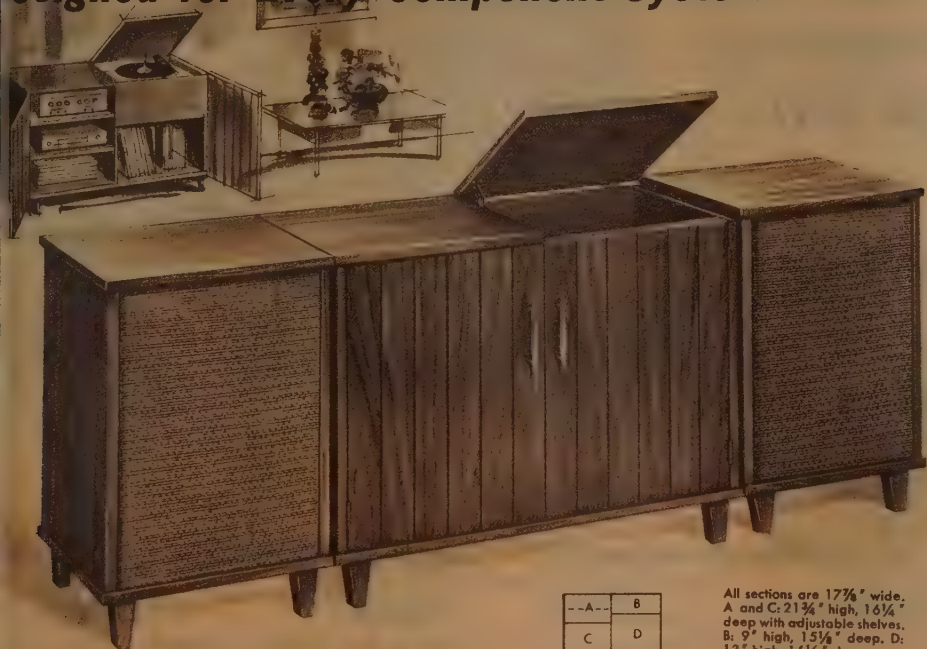
\$49⁹⁵

\$5 monthly

Equipment cabinet provides room for changer, amplifier, and records.

KN-1565K. This fine cabinet provides maximum capacity in places where space is limited. Its handsome walnut veneer is ready to be finished. The changer compartment has a lift-lid for easy access, 9x18 3/4 x 14 1/4". Center section, for amplifier or tuner, is 6 1/2 x 18 3/4 x 16". Lower storage section has space for over 150 records, is 13x18 3/4 x 16". Shpg. info. at right. Shpg. wt., 51 lbs.
20 B 9371 ZF. \$5 Monthly. 49.95

Designed for Every Component System



All sections are 17 1/4" wide.
A and C: 21 1/4" high, 16 1/4" deep with adjustable shelves.
B: 9" high, 15 1/4" deep. D: 13" high, 16 1/4" deep.

Strikingly Styled Ensemble in Kit or Assembled Form

3-Piece Ensemble Kit **\$149.95** Equipment Cabinet Kit **\$74.95**
\$8 monthly \$5 monthly

gives your music system an aura of California-inspired consciousness and enduring simplicity. Buy the complete piece ensemble, or the KN-1510 equipment cabinet, KN-1511 speaker enclosures alone. Lift-top compartment for easy access to record player. Other sections accessible from the front. Adjustable shelves in amplifier and tuner (or receiver) compartment.

Ass-reflex speaker enclosures have ducted ports for enhancing bass. Baffles pre-cut for 15" speakers, 12" speaker adapters included. Handsome brown grille cloth. 3/4" construction, with walnut veneer. Square tapered legs. Equipment cabinet, 27 1/4 x 38 1/2 x 17 1/4". Each enclosure 27 1/4 x 18 1/4 x 17 1/4".

Assembles with just a screwdriver. Sanded, ready for application of quick-drying walnut finishing oil, included. Complete instructions. Shipping info. below.

20 B 9363 ZF. Ensemble Kit. 209 lbs. **149.95**
20 B 9356 ZF. KN-1510AK Cabinet Kit. 98 lbs. **74.95**
20 B 9357 ZF. KN-1511AK Enclosure Kit. 55 lbs. Ea. **39.95**
20 B 9364 ZF. Ensemble Assembled. 209 lbs. **187.95**
20 B 9360 ZF. KN-1510A Assembled Cabinet. 98 lbs. **89.95**
20 B 9361 ZF. KN-1511A Assembled Encl. 55 lbs. Ea. **49.95**
20 B 9461 XF. Custom Mount Panel. 4 lbs. **2.95**

SHIPPING INFORMATION

Furniture shpd. from Stevens Point, Wisc. Shpg. charges collected by carrier on delivery. Allow 30 days for kits, 15 days for assembled units. No C.O.D. orders.



3-Piece Ensemble Kit **\$134.95** Eqp. Cabinet Kit **\$59.95**
\$7 monthly \$5 monthly

New KN-1570K Ensemble Kit

This ensemble features our KN-1570K single-section equipment cabinet kit. Has three shelves for hi-fi components and tapes or records. Sturdy 3/4" construction. All sections are accessible from the front. Top section is vented at rear for amplifier and tuner or receiver. Lower compartments are for tape recorder or changer. Kits are pre-drilled and pre-sanded, ready for finishing with the walnut finishing oil included. Ensemble includes two KN-1511AK bass reflex speakers as above. Equipment cabinet 27 1/4 x 22 x 17 1/4". Assembly instructions included. Shpg. information at left.

20 B 9373 ZF. Ensemble Kit. 198 lbs. **134.95**
20 B 9372 ZF. KN-1570K Cabinet Kit. 88 lbs. **59.95**
20 B 9357 ZF. KN-1511AK Encl. Kit. 55 lbs. Each **39.95**

Deluxe Furniture for Your Hi-Fi



Gamber-Johnson Lift-Top Ensemble

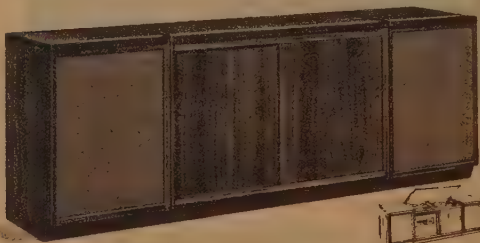
\$279⁵⁰

Assembled

Contemporary Style with
Full Width Lift-
Top for Easy Access

"Wall-to-Wall" custom furniture spacious enough for an elaborate music system. Sturdy $\frac{3}{4}$ " construction with oil-finished walnut veneer inside and out. Full-width lift-top for easy access to equipment. Overall size, $28\frac{1}{2} \times 58 \times 18\frac{1}{2}$ ". Center section accessible from top and front, with two adjustable shelves. Inside, $14\frac{3}{4} \times 18\frac{3}{4} \times 14\frac{3}{4}$ ". Storage section $9 \times 17\frac{1}{2} \times 14\frac{3}{4}$ ". Holds 200 LP's. Tunable bass-reflex enclosures, each $28\frac{1}{2} \times 18\frac{1}{2} \times 18\frac{1}{2}$ ". Take 12" or 15" spkrs. Shipped from Stevens Point, Wis. See Shpg. Note below. Ensemble wt., 215 lbs.

20 B 9165 L3ZF. 3-Pc. Ensemble. \$14 Monthly. **279.50**
20 B 9163 ZF. Model GJ 834 Eqpt. Cabinet. 98 lbs. 169.95
20 B 9164 ZF. Model GJ 832 Speaker Encl. 40 lbs. Ea. 54.95



Rockford 3-Piece Contemporary Ensemble

\$298⁵⁰

Assembled

Simple Lines—
Handsome Styling
for Any Decor

Sliding doors. Lift-top phono/tape deck compartment, $6\frac{1}{2} \times 19\frac{3}{4} \times 16\frac{1}{2}$ ". Removable shelf, adj. ht. in amp/tuner section; $13\frac{3}{4} \times 18\frac{3}{4} \times 15\frac{1}{2}$ ". Blank panel. Slide-out drawer. Holds 150 LP's. Overall $32\frac{1}{2} \times 40\frac{1}{2} \times 20\frac{1}{4}$ ". Ported enclosures ($32\frac{1}{2} \times 20 \times 20\frac{1}{4}$ "), take 15" or 12" spkrs., and tweeters. Fiberglass lined. Oiled walnut. Shipped from Rockford, Ill. Shpg. Note below. Ensemble wt., 226 lbs.

20 B 9079 L3ZF. 3-Pc. Ensemble. \$15 Monthly. **298.50**
20 B 9080 ZF. 500B Eqpt. Cabinet. 118 lbs. 174.50
20 B 9081 ZF. 501B Spkr. Enclosure. 54 lbs. Ea. 76.50



Barzilay "Design One" / B Deluxe Ensemble

\$269⁵⁰

Kit

Grain-Matched,
Finely Crafted for
Lasting Beauty

American Black Walnut, hand-rubbed, oiled finish. Full width lift top. Top center, $18\frac{3}{4}$ " wide, $15\frac{1}{2}$ " deep. Top left and right $18\frac{3}{4}$ " w., $15\frac{1}{2}$ " d. Lower left and right, $18\frac{3}{4}$ " w., $13\frac{1}{2}$ " h., center, $18\frac{3}{4}$ " w., $23\frac{1}{2}$ " h. Overall cabinet, $28\frac{3}{4} \times 58\frac{1}{2} \times 18\frac{1}{2}$ ". Tunable ducted-port enclosures for 12" or 15" speakers. Each, $28\frac{3}{4} \times 22 \times 18\frac{1}{2}$ ". Kits in ready-to-finish form with finishing kit supplied. Shpg. from Calif., a Shpg. Note below. Ensemble wt., 280 lbs.

20 B 9151 L2ZF. 3-Pc. Ensemble Kit. \$13 Monthly. **269.50**
20 B 9152 L2ZF. 3-Pc. 100E/B Assembled Ensemble. 389.50
20 B 9153 ZF. K61/B Eqpt. Cabinet Kit. 160 lbs. 157.50
20 B 9155 ZF. 161/B Assembled Eqpt. Cabinet. 239.50
20 B 9154 ZF. K62/B Spkr. Encl. Kits. 120 lbs. Pair 112.50



Rockford 3-Piece Deluxe Ensemble

\$288⁵⁰

Assembled

Expertly Designed and
Hand-Crafted for
Classic Beauty

Sliding doors and lift-top. Overall $29\frac{1}{4} \times 41 \times 19\frac{3}{4}$ ". Section are $19\frac{1}{2} \times 16\frac{1}{2}$ ". Left shelves adj. Upper left section for tape deck or amp/tuner. Phono section at upper right, stores over 100 LP's below. Oiled walnut finish. Baffled and ported enclosures each $29\frac{1}{4} \times 19\frac{1}{2} \times 21\frac{1}{2}$ "; up to 15" spkrs.; fiber-glass lined. Shpg. from Rockford, Ill. See Shpg. Note below. Ensemble wt., 234 lbs.

20 B 9089 L3ZF. 3-Pc. Ensemble. \$15 Monthly. **288.50**
20 B 9090 ZF. Eqpt. Cabinet. 112 lbs. 174.50
20 B 9091 ZF. Spkr. Enclosure. 61 lbs. Ea. 71.50

Modern Styling to Complement Your Home



Choose from Factory Assembled Models
or Money-Saving Kits

Barzilay "Design Five" 3-Piece Ensemble

\$249⁵⁰ Kit

Contemporary Styling
with Tambour Door
in a Smart Ensemble

This expertly crafted ensemble is available in ready-to-finish kit form with finishing kit supplied, or factory assembled. Rich walnut veneers complement its fine styling. 48"-wide cabinet with deluxe Tambour door. Record player drawer, 20" w., 15" d. Amplifier/tuner section, 20" w., 24½" h. Panel for front with tunable ducted-port, deluxe grille. 6 cu. ft. Enclosures 29x24x18". Equipment cabinet 29x48x84". Shpd. from Calif.

20 B 9005 L2ZF. Ensemble Kit, 270 lbs. \$13 Monthly. **249.50**
20 B 9006 L2ZF. Assembled Ensemble 349.50
20 B 9007 ZF. K71 Eqpt. Cabinet Kit, 110 lbs. 144.95
20 B 9010 ZF. K71 Eqpt. Cabinet, Assembled. 135 lbs. 189.95
20 B 9008 ZF. K72 Spkr. Encl. Kits. 160 lbs. Pair 105.95

Barzilay "Design Two" Console Cabinet

\$189⁹⁵ Kit

Superb Console
with Ample Room
for Components, Records

Hand-crafted for classic beauty and simplicity of style. Finished in luxurious oiled walnut. Console features full-width lift-top access, with front mounting provision. Large sliding doors and ample storage space give you enough room for your components and records. Two large top sections for turntable or tape deck, and amplifier/tuner; each section 18¼x23". Reflex speaker enclosures accept 12" or 15" speakers. Overall Console dimensions: 28¾x81x18½". Available in ready-to-finish kit form with finishing kit supplied, or factory assembled. See Shpg. Note below. Shpg. wt., 225 lbs.

20 B 9012 L2ZF. Kit Form. \$10 Monthly. **189.95**
20 B 9011 L2ZF. Assembled and Finished **299.50**



Gamber-Johnson 3-Piece "Ovation" Ensemble

\$229⁵⁰ Assembled

Contemporary Style—
Simple Lines for
Lasting Beauty

Beautiful oiled walnut veneer, inside and out over sturdy ¾" plywood. Front and top access to upper left, 17½x14¾" with adj. height. Lift top over changer section, 9x17½x14¾". Storage area below. Overall, 28½x38½x18½". Enclosures (28½x18½x18½") for 12" or 15" speakers. Shpd. from Stevens Point, Wis.; see Shpg. Note below. Ensemble shpg. wt., 174 lbs.

20 B 9167 L3ZF. 3-Pc. Ensemble. \$12 Monthly. **229.50**
20 B 9166 ZF. Model GJ831 Eqpt. Cabinet. 94 lbs. **119.95**
20 B 9164 ZF. Model GJ832 Spkr. Encl. 40 lbs. Ea. **54.95**



New Audio Original Danish Modern Console

\$182⁵⁰ Assembled

Designed with Smart
Adjustable Shelves for
Complete Versatility

Smart contemporary lines and rich oiled walnut finish make this console ideal for any modern decor. Two doors, with continuous hinges, open to give access to two compartments with adjustable component shelves and a glide-out changer/turntable shelf. Component shelves; 20¾" w., 15" d. Pull-out shelf; 17¾" w., 15" d. Storage area provides ample room for LP's. Overall size: 32½x77x18", with two speaker compartments, each 25¾x16½x14". Shpd. from Indianapolis, Ind. See Note below. Wt., 118 lbs.

20 B 9131 ZF. 303D Console. \$10 Monthly. **182.50**

SHIPPING NOTE:

All furniture shipped express or truck
from factory. Allow at least 45 days. Sorry, No C.O.D.

Finest-Quality Furniture for Your Hi-Fi



\$479⁵⁰
\$20 monthly

\$299⁹⁵
\$15 monthly

(B)



**(A) Barzilay
300E Mediterranean
3-Piece Ensemble**

Superbly crafted 3-piece ensemble. Hand-made wood grille, bound by graceful arches of solid oak or walnut. Equipment cabinet offers lift-top access to turntable, tape deck and amplifier/tuner sections: 17" deep, 18 $\frac{3}{4}$ " wide (18 $\frac{3}{4}$ " in center). Storage space below. Ensemble, 29x96x20" deep. Bass-reflex enclosures 29x19 $\frac{1}{2}$ x20" deep, take 15" or 12" speakers. Specify—oiled walnut or tawny oak. Shpd. from Calif., see Shpg. Note below.
20 B 9018 CL2ZF. 3-Piece Ensemble. 296 lbs. **479.50**
20 B 9019 CZF. Model 3061 Equipment Cab. 171 lbs. **269.50**



**(B) Gamber-Johnson
Mediterranean
3-Piece Ensemble**

Expert construction and finish. With 2 or 3-section cabinet. Interior, 22" high, each section 17 $\frac{3}{4}$ x14 $\frac{1}{4}$ ". Upper left accessible from top, front. Genuine oak veneers. 3 sec. cabinet, 28 $\frac{1}{2}$ x58x18 $\frac{1}{8}$ ". 2 sec. cab., 28 $\frac{1}{2}$ x39 $\frac{3}{8}$ x18 $\frac{1}{8}$ ". Enclosures for 15" or 12" speakers, each 28 $\frac{1}{2}$ x18 $\frac{1}{2}$ x18 $\frac{1}{8}$ ". Shpd. from Stevens Point, Wisc.; Shpg. Note below.
20 B 9067 13ZF. Ensemble, 3-Section Cabinet. 230 lbs. **299.95**
20 B 9068 ZF. GJ-854 3-Sect. Equip. Cab. 142 lbs. **189.95**
20 B 9069 13ZF. Ensemble, 2-Section Cabinet. 186 lbs. **259.50**
20 B 9070 ZF. GJ-851 2-Sect. Equip. Cab. 98 lbs. **139.95**



Rockford Italian Provincial Ensemble

\$298⁵⁰ \$15 monthly
3-Piece Ensemble with
2-Section Cabinet

Traditional elegance of this period is captured in a warm Fruitwood finish. Cabinets have hinged doors with magnetic latches. Upper left, 19x16 $\frac{1}{4}$ x6 $\frac{1}{4}$ ", with adjustable shelf, blank panel. Upper right, 19x16 $\frac{1}{4}$ x6 $\frac{1}{2}$ ", has hinged lift-top. Storage space below. Matching speaker enclosures. Each takes up to 15" speaker, is baffled and ported; 1" acoustical fiber glass lining. Overall size: cabinet, 41" wide; enclosures, 20" wide; all 19" deep x 31" high. Outstanding "custom-look" furniture styling. Shipped from Rockford, Ill.; see Shpg. Note below.
20 B 9034 13ZF. Shpg. wt., 148 lbs. \$15 Monthly. **298.50**
20 B 9033 ZF. Model 320 Cabinet Alone. 104 lbs. **174.50**



Gamber-Johnson Early American Ensemble

\$299⁹⁵ \$15 monthly
3-Piece Ensemble with
2 or 3-Section Cabinet

Sturdy $\frac{3}{4}$ " construction, hardwood veneers. Harvest Maple finish. Cabinets 22" H. inside: each section 17 $\frac{3}{4}$ x14 $\frac{1}{4}$ ". Center comp. (left of 2-section) accessible from top and front. 14 $\frac{3}{4}$ " ht. adj. Other upper sections 9" H., with adj. motorboard. 3-Sect. Cab. 28 $\frac{1}{2}$ x57 $\frac{1}{4}$ x18 $\frac{1}{8}$ ". Room for 200 LP's. Encl. for 12" or 15" spkrs., tweeter. Each 28 $\frac{1}{2}$ x18 $\frac{1}{2}$ x18 $\frac{1}{8}$ ". Shipped from Stevens Point, Wis. See Shpg. Note below. Shpg. wt., 230 lbs.
20 B 9200 13ZF. 3-Pc. Ensemble (3-Sect. Cab.) \$15 Mo. **299.95**
20 B 9201 ZF. GJ-824 3-Section Equip. Cab. 142 lbs. **184.95**
20 B 9170 13ZF. 3-Pc. Ensemble (2-Sect. Cab.), 186 lbs. **254.50**
20 B 9168 ZF. GJ-821 2-Section Equip. Cab. 98 lbs. **134.95**

KNIGHT Hi-Fi Stereo Headphones



A Knight's Lowest Priced Stereo Headphones

- 30-15,000 Hz Frequency Response
- Two Large 3 1/2" Transducers
- Comfortable, Removable Earcups

\$11.95

Model KN-878. Only Knight offers you stereo headphones of this quality at this money-saving low price. They literally surround you with full-range stereophonic sound. Comfortable vinyl earcups seal out nearly all room noises; easily remove for cleaning. Vinyl-covered foam rubber headband lets you listen without any feeling of fatigue. Large 3 1/2" transducers in each earcup. Frequency response is 30 to 15,000 Hz. Actual weight only 10 ounces! Impedance 3-16 ohms to match any stereo amplifier. Charcoal Gray. With 8-foot cord and standard 1/4" phone plug. Shpg. wt., 1 1/4 lbs.

20 B 9579..... 11.95

B Most Popular Knight Stereo Headphones

- 16-16,000 Hz Frequency Response
- Separate Volume Controls for Each Ear
- Removable Ear Cushions, Adjustable Band

\$19.95

Model KN-876. No more sitting in a fixed listening area to get maximum stereo realism. Individual volume/balance control for each ear assures you-are-there stereo realism. Dynamic driver elements surround you with full-range stereo. Soft polyfoam ear cushions lock-out room noise and let you listen with full comfort. Stainless steel headband adjusts to fit anyone. Cushions and headband are removable and vinyl coated for easy cleaning. Frequency response 16-16,000 Hz. 3-16 ohm impedance matches any stereo amplifier. Attractive brown and tan color. With 8-ft. cord and standard 1/4" plug. Shpg. wt., 1 1/4 lbs.

20 B 9508. \$5 Monthly..... 19.95

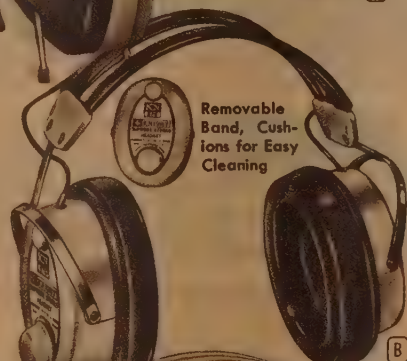
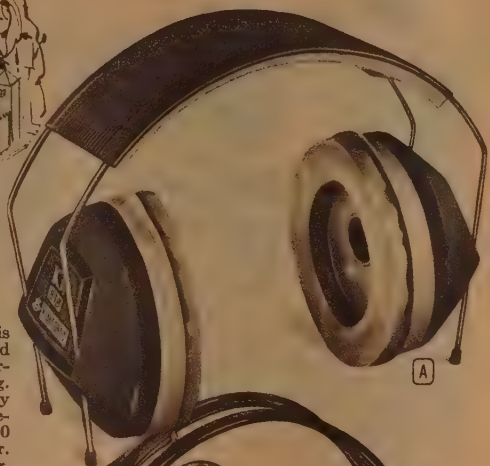
C NEW! Knight's Finest Stereo Headphones Ever

- 15-20,000 Hz Frequency Response
- Separate Volume and Tone Controls
- Comfortable Earseals Lock-Out Room Noise

\$34.50

Model KN-885. Superbly engineered—the only headset to actually tailor the sound to your individual pleasure! Separate tone and volume controls in each earpiece adjust for listening perfection—you're placed in the center of the brilliant, multi-dimensional sound of stereo. Headset is designed with moving-coil dynamic transducers to give a full frequency range of 15-20,000 Hz. Cushioned, stainless steel headband and polyvinyl chloride earseals assure a comfortable, airtight fit—no distracting outside noise. Impedance 8 ohms. Complete with 8-ft. cord and standard 1/4" plug. Shpg. wt., 2 lbs.

20 B 9580. \$5 Monthly..... 34.50



KN-879 Remote-Control for Two Stereo Hi-Fi Headphones

Remote control unit lets you adjust volume of two headphones from your chair. Speaker cut-out switch permits using stereo headset and speakers, or headset alone. Two volume controls, on-off switch. Standard 1/4" phone jacks. 2 1/4 x 4 x 2". Order cable below. Shpg. wt., 1 lb.

20 B 9577..... 7.95

55 B 7508. 5-Conductor Cable. Wt., 1/2 lb..... 25-ft. Roll 1.31

Only
\$7.95



High-Fidelity Stereo Headphones



\$49⁰⁰
\$5
monthly

KOSS



\$34²⁵ \$5
monthly

KOSS



\$24⁴⁵ \$5
monthly

Pro-4A Deluxe Headphones

KO-727 "Stereophones"

SP-3XC "Stereophones"

Dynamic transducer in each earpiece reproduces full-range sound. Soft fluid-filled ear cushions and adjustable headband for maximum comfort. Shatterproof construction. 20-20,000 Hz. 4-16 ohms. 10' coiled cord, 3-circuit plug. Shpg. wt., 2 lbs.
20 B 8356. \$5 Monthly.....**49.00**
20 B 8044. Pro-600A. As above, but 600 ohms. 2 lbs. \$5 Monthly.....**53.90**

Accepts up to 60 watts per channel from any normal program source. For any system with 4, 8 or 16-ohm output. Adjustable headband and foam-filled ear cushions. Cushions remove for easy cleaning. Response, 40-15,000 Hz. High external noise cancellation. Distortion less than 1%. With 8' coiled cord, plug. 2 lbs.
20 B 8019. \$5 Monthly.....**34.25**

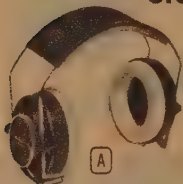
Boasts 3 1/2" dynamic element in each earpiece. Foam-cushioned ear cups. Rugged Implex plastic headband. 20-16,000 Hz. 4-16 ohms. With 8' cord 3-circuit plug. Shpg. wt., 2 lbs.
20 B 8357. \$5 Monthly.....**24.45**
SP-55M. As above, but with lavalier-type stereo/mono switch. 20-15,000 Hz. Impedance, 4-8 ohms. 2 1/2 lbs.
20 B 8030. \$5 Monthly.....**24.45**



T-10 Control Box. Lets you use your Koss stereo headphones right in your easy chair. Accepts up to two pairs of headphones. Has separate volume control for each phone plus speaker on-off switch. Handsomely styled walnut cabinet. Connects easily—simply wire directly to amplifier speaker outlets. 4-16 ohm impedance. Shpg. wt., 3 lbs.
20 B 8045. \$5 Monthly.....**19.95**

T-5 Control Box. (Not illus.) Connects one or two stereo headphones to an amplifier. Has volume control, on-off switch for speaker and 2 stereo or monaural phone jacks. Impedance, 4-16 ohms. 5 1/2 x 3 1/2 x 2 1/2". 1 lb.
20 B 8031.....**8.95**
T-1 Hookup Box. (Not illus.) Match SP-3XC or SP-55M phones to 600-10,000 ohms.
20 B 8032. 6 1/4 x 3 1/2 x 2". 8 oz.....**7.95**

Stereo Headphones for Every Purpose and Budget



TELEX \$15⁹⁵



SONY \$17⁵⁰



FISHER \$25⁴⁶



TELEX \$34⁹⁵



SUPEREX \$29⁹⁵

A Telex Adjustatone. Features 3 1/2" transducers. Adjustable to obtain "forward sound" effect. Foam cushions. 10-15,000 Hz. 8 ohms. 8' cord.
20 B 8352. 1 lb.....**15.95**

B Sony DR-3A. Lightweight phones with special ear cushions, adjustable padded headband. 20-20,000 Hz. Impedance, 8 ohms. With cord, 1/4" plug. From Japan.
20 B 8024. 2 lbs.....**17.50**

C Fisher HP-50. Has large earpieces with polyfoam cushions. Adjustable vinyl-covered spring steel headband for hours of comfortable wearing. Washable. Response, 30-17,000 Hz. Impedance, 12 ohms. With cord and plug.
20 B 8351. 2 lbs. \$5 Monthly.....**25.46**

D Telex ST-20 "Stereo Twin". Built-in volume control on each earpiece. Lightweight, foam cushions. Frequency response, 15-15,000 Hz. Impedance, 3-16 ohms. 8' cord, 3-circuit plug.
20 B 8425. 1 lb. \$5 Monthly.....**34.95**

E Superex ST-M. Each earpiece has ceramic woofer and dynamic tweeter elements, plus built-in crossover. Also has level control for each channel. Adjustable headband and soft foam ear cushions guarantee hours of comfortable listening time. Response, 20-20,000 Hz. Impedance 8-16 ohms. With cord, 3-circuit plug. Shpg. wt., 1 1/4 lbs.
20 B 8420. \$5 Monthly.....**29.35**

STM-2H. Same as above, but high-impedance type. Matches 200 to 15,000 ohms.
20 B 8423. 1 1/4 lbs. \$5 Mo.....**40.00**



TELEX \$59⁹⁵

F New Telex "Serénata." A newly designed headset offering top performance and exceptional comfort. Features tone control to adjust sound to personal taste; easy-wear, liquid-filled cushions with knob adjustment of ear cup pressure. Adjustable headband. Frequency response, 20-20,000 Hz. Impedance, 4-16 ohms. With 8-ft. detachable cord, plug. 1 1/2 lbs.
20 B 8353. \$5 Monthly.....**59.95**

G Superex ST-PRO. Deluxe headphones feature separate woofer and tweeter reproducer in each earpiece. Insures superb stereo sound. Has adjustable, padded headband and soft cushions to permit hours of wear in complete comfort. Frequency response, 20-20,000 Hz. Impedance, 4, 8, 16 ohms. Can be adapted to monaural use. With cord, and plug. Shpg. wt., 2 lbs.
20 B 8366. \$5 Monthly.....**49.95**



SUPEREX \$49⁹⁵

FM-AM-Phono Stereo Consoles—Top Values!



TOTAL STEREO

Gives you full tape recording and playback facilities, plus stereo radio and stereo phono

Delmonico Stereo Entertainment Center

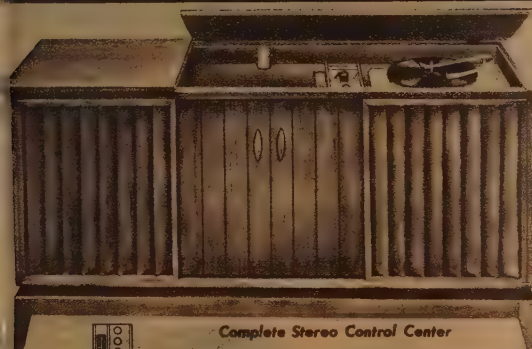
- 4-Track Stereo Tape Deck
- Stereo FM-AM Radio
- Automatic Stereo Phono

\$249⁹⁵

Imagine! A stereo console complete with tape deck at this low price! All-in-one console brings you wide-range stereo from every music source. Stereo FM has excellent channel separation for realistic, static-free stereocasts. Hear crystal-clear AM broadcasts too. Balance control; vernier slide-rule tuning. Versatile tape deck records and plays 4-track stereo and mono at $7\frac{1}{2}$, $3\frac{3}{4}$ ips. Records directly from radio or phono, or with the two microphones included. Our speed changer has diamond and synthetic sapphire needles. Mixes all-size records of the same speed. Two 8" woofers, four $3\frac{1}{2}$ " tweeters. Terminals for extra speakers. 15" takeup reel and 7" reel of tape. Oiled walnut. For 110-120 VAC. 29x40x15 $\frac{1}{2}$ ". Express from NYC. 10 B 4596 ZE. 147 lbs. No COD Orders. \$13 Monthly. 249.95



Full-Width Lift-Top Gives You Easy Access to Tape Deck, Record Changer and Radio



Complete Stereo Control Center

Stereo FM Indicator Light; FM-AM Tuning; AFC; Balance; Separate Bass and Treble Controls; Dual-Channel Loudness



Telex-Phonola Solid-State Stereo FM-AM-Phono Console with Six Speakers

- Modern Solid-State Circuit
- Static-Free FM Stereo, FM and AM
- 4-Speed Automatic Phono

\$219⁹⁵

Up-to-the-minute Danish Modern styling with louvered speaker enclosures, plus all solid-state circuit for wide-range stereo sound. Pulls in static-free stereo FM, plus standard AM. Deluxe 4-speed automatic record changer features low-mass tubular arm and 11" turntable. Diamond needle and 45-rpm spindle. Two 8" woofers, two 4" midrange units, and two $3\frac{1}{2}$ " tweeters. Output jacks for extra speakers, input jacks for tape recorder. FM local/distance switch. Walnut veneers. Record storage space. 26 $\frac{3}{4}$ x50x16 $\frac{1}{4}$ ". U.L. Listed. For 110-120 V, 60 Hz AC. Express from Rochester, Minn., Wt., 75 lbs. 10 B 4593 ZF. No COD Orders. \$11 Monthly. 219.95

Delmonico Complete Stereo Console

\$189⁹⁵ \$9 monthly

- 60" Wide for Good Separation
- 6 Speakers for Full Response
- Handsomely Finished in Oiled Walnut

Deluxe 5-ft. wide stereo console features 6 high-fidelity speakers and beautiful oiled walnut finish. Plays stereo phono, stereo FM-AM radio, and has plenty of record storage space. 4-speed automatic changer with diamond needle. Balance and tone controls, stereocast indicator, vernier slide-rule tuning. Two 8" bass speakers, four $3\frac{1}{2}$ " tweeters. Remote speaker jacks. 29x60x16" deep. 115 VAC. Wt., 165 lbs. Express from NYC. 10 B 4586 ZF. No COD Orders. \$10 Monthly. 189.95



Take Up To Two Years to Pay With Allied's Credit Fund Plan

ALLIED 99

Latest in Portable TV—Color or Black & White



Portable Color TV
Weights Just 24 Pounds!

New G.E. 10"-Diagonal Color TV

\$249⁹⁵

\$13 monthly

- Full 60 sq. in. Viewing Area
- 3" Speaker, Up-Front Control
- 15,000 Volts of Picture Power
- Illuminated Controls

"Portacolor"—latest concept in personal TV enjoyment—portable TV in color as well as black and white! So easy to operate—just set and forget. Truly trouble-free—no special set-up required. Has excellent color fidelity and brightness. Once set, "Magic Memory" tuning automatically sets controls at optimum. Automatic fine-tuning for pre-setting best picture on VHF channels. Illuminated VHF and UHF channel selectors; illuminated color and tint controls. Three IF stages and keyed AGC for good contrast, greater pulling power, constant picture quality. Retractable handle; built-in telescoping dipole antenna for VHF, loop antenna for UHF. Walnut-grained polystyrene cabinet. Earphone for private listening. 17x11 $\frac{1}{2}$ x16 $\frac{1}{2}$ ". 110-120 V. 60 Hz. Shpg. wt., 34 lbs. Express.

10 B 4105 U. \$13 Monthly. 249.95



Sharp 18"-Diagonal TV—Our Lowest Price Ever!

- Full-Size 172 sq. in. Viewing Area
- Front-Panel 6 $\frac{1}{2}$ " Speaker
- VHF Dipole, UHF Loop Antennas
- Slimline Portable Styling

\$104⁹⁵

Save

\$6 monthly

\$10.00

Was \$114.95. Our lowest price ever for an 18"-diag. portable TV! This handsome slimline all-channel set boasts the latest circuits with a bonded picture tube for bright, clear reception, even in fringe areas. 16,500 volts of picture-brightening power. High-gain frame-grid tubes for good sensitivity. Features convenient front-mounted controls; 6 $\frac{1}{2}$ " oval speaker; telescoping dipole VHF antenna; loop UHF antenna. Rugged all-steel chassis with handsome high-impact plastic case, 18 $\frac{1}{2}$ x19 $\frac{3}{8}$ x12 $\frac{3}{4}$ ". Retractable leather handle. For 110-120 volts, 60 Hz AC. From Japan. Shpg. wt., 38 $\frac{1}{2}$ lbs. Shipped express.

10 B 4335 U. \$6 Monthly. 104.95

Sharp Low-Cost 11"-Diagonal Portable TV

\$77⁹⁵

\$5 monthly

- 71 Sq. In. Viewing Area
- 4" Front Speaker
- Weighs Just 19 $\frac{1}{2}$ Lbs.
- Earphone Included



Sharp 15"-Diagonal Portable TV

\$89⁵⁰

\$5 monthly

- 119 Sq. In. Viewing Area
- 6 $\frac{1}{4}$ " Oval Front Speaker
- Weighs Only 26 Lbs.
- Earphone Included



Excellent all-channel reception and low cost make this the perfect choice for a second set. Has two frame-grid IF amplifier tubes for well contrasted pictures, AGC for excellent fringe reception. Front-panel 4" speaker for static-free FM sound. Includes individual UHF and VHF antennas. Vinyl handle. High-impact plastic cabinet, 13 $\frac{3}{8}$ x13 $\frac{3}{8}$ x10 $\frac{1}{2}$ ". For 110-120 V. 60 Hz AC. From Japan. Shipped express. Shpg. wt., 23 $\frac{1}{2}$ lbs.

10 B 4272 U. \$5 Monthly. 77.95

Boasts three frame-grid IF amplifier tubes and AGC circuit to provide outstanding reception even in fringe areas. Speaker delivers clear FM sound. Easy-to-use UHF-VHF channel selector windows. Separate UHF and VHF antennas. High-impact plastic case. 16x16x11 $\frac{1}{2}$ ". Earphone included for private listening. Leather handle. For 110-120 V. 60 Hz AC. From Japan. Wt., 33 $\frac{1}{2}$ lb. Shipped express.

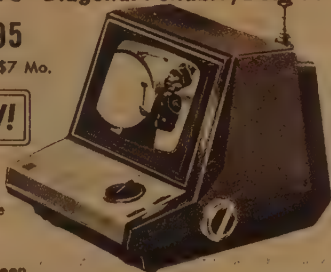
10 B 4274 U. \$5 Monthly. 89.50

AC/Battery Portable TVs Play Anywhere

16 sq. in. Viewable Area

\$129⁹⁵
\$7 Mo.

NEW!



16 sq. in.
Viewable
Area
Battery/AC
"Black" Screen

Looks great . . . anywhere! Operates on 117 VAC, V rechargeable battery (not incl.), or 12 V car battery. Lighted VHF tuning, UHF tuning knob, VHF monopole antenna; UHF loop. 2 1/2" speaker. 7 3/4" x 9 1/2" x 8". With earphone. From Japan.
B 4104 U. Shpg. wt., 11 1/2 lbs. \$7 Monthly. . . 129.95
B 4325 X. Battery Pack/Recharger. 4 lbs. . . 14.95
B 5858 R. Rechargeable Batt. (Uses one.) 6 lbs. . . 10.62
B 4103 S. 12 VDC Car Power Cord. 6 oz. . . 8.95

4"-Diagonal TV with FM-AM Radio

- 9 sq. in. Viewing Area
- Plays From AC, Battery Pack
- Weighs Less Than 9 lbs.
- 30 Transistor Circuit

\$139⁹⁵

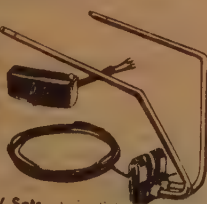
\$7 monthly

Combination TV, FM and AM radio plays anywhere - batteries or 110 VAC. UHF ring antenna, IF-FM telescope antenna, built-in AM antenna. "C, AGC, 2 1/2" speaker. Earphone, AC adapter/battery charger, AC cord. Or, use 9 "D" batts. or rechargeable batt. 3 3/4" x 9 3/4" x 8 1/2". Japan.
B 4321 U. Wt., 11 lbs. \$7 Monthly. . . 139.95
B 5079. "D" Batteries. 6 oz. . . Pkg. of 4 for 65¢
B 4322 X. Rechargeable Batt. Pack. 2 lbs. . . 19.95
B 4055 S. 12 VDC Neg./Pos. Car Cord. 1 lb. . . 5.95
B 4102 X. Car Antenna and Stand. 3 lbs. . . 24.95

JFD Auto TV Antenna Kit



\$4²⁵
• Spring Clamp
• Chrome-Plated
• Works with All TV Sets



Strong, clear TV reception in your car with this y-to-mount antenna kit. Includes: omnidirectional dipole antenna, mounting clamp, 6-position picture rifle, 10-ft. shielded coax cable, chrome plated sockets, hardware. Works with all TV receivers, tube transistor, 300 or 72-ohm imp.
B 4326 X. . . 14.25

JFD Boat TV Antenna

Boat TV antenna. Similar to above, but 30-ft. cable, triple-chrome-plated brass hardware, mtg. bracket. Non-ferrous base-metal on all parts.
10 B 4327 X. Wt., 4 lbs. . . 19.85

Sharp 11"-Diagonal Portable TV

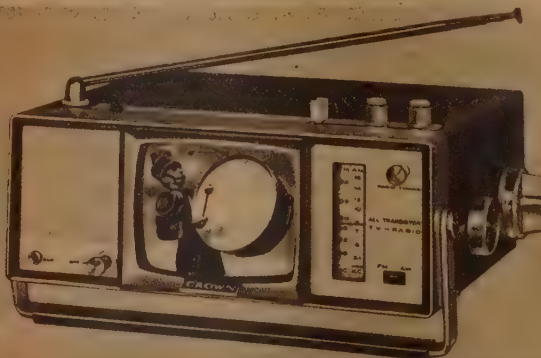
\$109⁹⁵

\$6 monthly

- Solid-State Circuit
- 71 sq. in. Viewing Area
- Built-in Battery Charger
- 4 1/2" Oval Front Speaker
- Fold-Down Metal Handle



Our largest-screen solid-state portable. For 117 VAC, battery pack, or 12 V car battery. Tinted safety shield. Weighs 17 1/2 lbs. VHF-UHF antennas. Woodgrain walnut finish case, 13 3/4" x 13 1/2" x 11 1/4". Earphone. Japan. Exp.
10 B 4336 U. Shpg. wt., 23 lbs. \$6 Monthly. . . 109.95
10 B 4337 X. Portable Power Pack. Rechargeable battery, case. Shpg. wt., 6 lbs. . . 15.95
18 B 5858. Extra Battery. (Uses one.) Wt., 6 lbs. . . 10.62
10 B 4330 S. 12 VDC Power Cord. Shpg. wt., 1 lb. . . 5.95



Symphonic "Minni 3" 3"-Diagonal TV

\$159⁹⁵

\$8 monthly

- 4.7 sq.-in. Viewing Area
- Solid-State Circuit
- Only 6 3/4" High
- Weighs Just 5 1/2 Lbs.



Deluxe "personal" portable TV goes anywhere, weighs only 5 1/2 lbs. with rechargeable-batteries. Operates from batteries, regular AC, or from your car lighter with optional 12 VDC cord below. Telescoping VHF antenna, lift-up UHF ant. Plastic case, 6 3/4" x 3 1/2" x 6". With earphone, AC adapter/battery charger. (Order batteries below. Japan.)
10 B 4323 S. Shpg. wt., 6 1/2 lbs. \$8 Monthly. . . 159.95
10 B 4047 S. 9 Rechargeable "C" Cells. 2 lbs. . . 14.95
10 B 4324 X. Vinyl Carrying Case. 1 lb. . . 9.95
10 B 4043 S. 12-VDC Cord for Car Lighter. 12 ozs. . . 5.95

Take a Portable Phono with You for Fun!



G.E. "Mustang" Portable Stereo Phono

\$59⁹⁵

\$5 monthly

- Compact, Rugged, Weighs Only 10 lbs.
- Solid-State Amplifier . . . Plays Instantly
- Two 5 1/4" Speakers for Full Stereo Sound

If you like to go where the fun is, take this "instant party-maker" along. Provides instant sound, instant excitement! Two 5 1/4" detachable wing speakers separate up to 12 feet for stereo realism. Changer plays six stereo or mono records automatically, repeats last record or shuts off automatically. Dual synthetic-sapphire needles. Positive size-selector for 12", 10" or 7" records. 9-inch turntable runs at all 4 speeds. Has 45-rpm spindle. Two volume and tone controls. Polystyrene case, 19 1/2 x 12 x 7 1/4". U.L. Listed. For 110-125 VAC. 10 B 4527 U. Wt., 16 lbs. **\$5 Monthly** **59.95**



Looks Like a Smart Piece of Luggage

Luggage-Type Automatic Portable Phono

\$39⁹⁵

\$5 monthly

- Compact, Lightweight . . . Only 18 lbs.
- Delivers Fine Monaural Sound
- Scuffproof, Washable Vinyl Cover

Big sound, attractive styling. Designed to look "at home" even while traveling! Rugged molded luggage case, covered in scuffproof vinyl, is extra durable—made to keep its good looks for years. Wide-range 4" speaker gives excellent monaural reproduction of all your records. Automatic record changer with balanced pickup arm protects records and gives wide response. Plays all 4 speeds, all size records. 45-rpm spindle. Intermixes 12" and 10" records of the same speed. Dual synthetic-sapphire needle. Shuts-off automatically. Volume and tone controls. Covered in teal blue and white vinyl with bright aluminum trim. 16 1/4 x 6 1/4 x 11 1/4". U.L. Listed. For 117 V, 60 Hz AC. 10 B 4563 U. Wt., 20 lbs. **\$5 Monthly** **39.95**

A Telex-Phonola Stereo Phono, Stereo FM-AM

- Powerful 40-Watt Peak Output • All Solid-State Circuit
- Fully Automatic 4-Speed Changer • AFC on FM Prevents Drift
- Two Speaker Systems Each with 8" Woofer and 4" Tweeter
- Radio Operates in 3 Different Positions • Built-In Antennas

Deluxe solid-state portable—an entirely new concept, space-age cabinet design and versatility. Its unique styling is as modern as tomorrow. Record changer swivels to operate horizontally. Radio can be operated in 3 different positions. Deluxe features include: solid-state stereo-FM and AM radio with a big 40-watt peak output; two 2-way wide-range speaker systems in acoustically designed enclosures that separate up to 24 feet for best stereo reception. FM dipole antenna.

A wide variety of controls, to give you full command over program material, include: Bass, Treble, Mode Selector, Dual-Channel Loudness, AFC, and Stereo Balance. Large, easy-to-read slide-rule dial for precise tuning of FM and AM stations. FM-stereo indicator light.

Custom designed automatic 4-speed stereo phono features low-mass tubular pickup arm for exceptional tracking, 1" platter, automatic intermix, automatic shutoff, diamond needle, 45-rpm spindle. Walnut-grained vinyl covered cabinet of solid wood, 14x22 1/4 x 7". Speakers close to cover when not in use. Sturdy metal handle. U.L. Listed. For 110-120 V, 60 Hz AC. Shpg. wt., 55 lbs. 10 B 4108 Z. **\$10 Monthly** **189.95**

B Panasonic Stereo Consolelet with FM-AM

New Mini-Console genuine walnut entertainment center will delight you with the way it becomes a part of your home. Only 8 3/4 x 27 1/2 x 12 3/4" deep, it fits on shelf or floor in den or bedroom . . . anywhere! Boasts 27 solid-state devices for reliable stereo phono, FM-AM radio, 4-watt music power output. Tone and balance controls. 4-speed automatic changer has ceramic stereo cartridge with synthetic sapphire stylus. Two dynamic 5" speakers. Built-in ferrite, FM loop antennas. Pilot light. U.L. Listed. For 110-120 V, 60 Hz AC. From Japan. 10 B 4107 U. Shpg. wt., 28 lbs. **\$5 Monthly** **99.95**

C Component Stereo Phono, Stereo FM-AM

New, exciting portable solid-state stereo component system. Looks expensive, yet costs far less than many systems of comparable quality. Combines stereo FM, AM and Garra 4-speed stereo changer. 10-watt IHF output. Has automatic intermix, shutoff; 3 spindles for automatic, manual, 45-rpm operation; diamond needle. Enclosures with 4" and 3 1/2" speakers separate up to 20 feet. Five control vernier tuning, FM stereo light, AFC. Genuine walnut veneer base, mirror-finish jet-black front panel. 10 1/2 x 21 1/2 x 16". U.L. Listed. For 117 VAC. 10 B 4564 U. Wt., 39 lbs. **\$8 Monthly** **159.95**

D Telex-Phonola Budget Stereo Phono

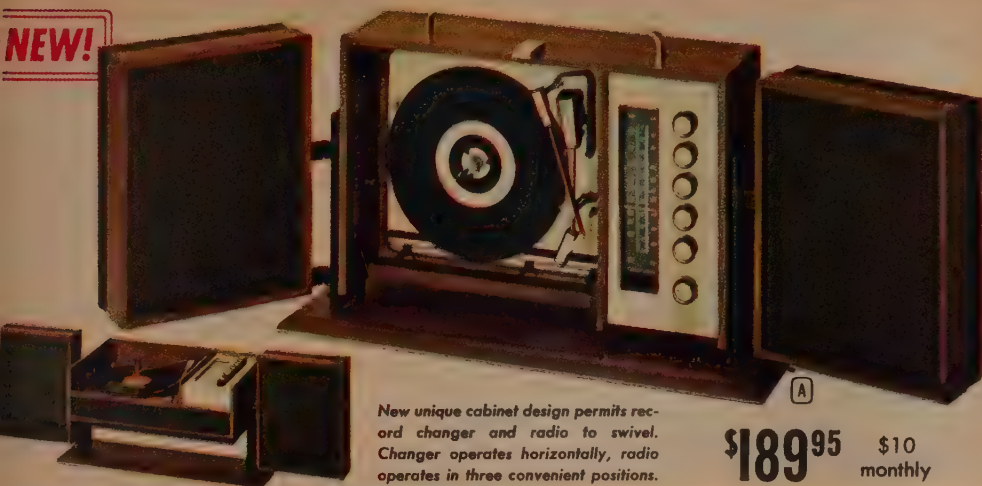
For dancing or listening—every teenager and young fan should have one. It's so easy to take where the action is. Brilliant, clear sound reproduced thru twin 4" speakers mounted in enclosures that separate up to 20 feet. Fits shelves for a "component" look. Automatic 4-speed changer plays all sizes, speeds. Automatic intermix; shutoff. 45-rpm spindle. Low-mass tubular pickup arm for sensitive tracking, minimum record wear. Wood cabinet; washable teal blue vinyl; teakwood and white vinyl trim. 14 1/2 x 8 1/2 x 12 1/2". U.L. Listed. 110-120 V, 60 Hz AC. 10 B 4562 U. Wt., 25 lbs. **\$5 Monthly** **49.95**

E Telex-Phonola Solid-State Stereo Phono

Decorator-designed and styled, its appearance is surpassed only by its performance. Luggage-look portable has solid-state amplifier for plenty of audio power. Deluxe phono plays all 4 speeds automatically or manually. Automatic intermix, shutoff; 11" turntable; tubular pickup arm; diamond needle; 45-rpm spindle. Stereo control center has dual volume, separate bass and treble, dual balance controls. Two 8" woofers mounted in enclosures each have 2 feet of cable. Smart vinylite covered wood cabinet. 14 1/2 x 29 x 10 1/4" (open). U.L. Listed. For 117 VAC. 10 B 4546 U. Wt., 28 lbs. **\$5 Monthly** **89.95**

Stereo Phonos for Every Taste and Budget!

NEW!



New unique cabinet design permits record changer and radio to swivel. Changer operates horizontally, radio operates in three convenient positions.

\$189⁹⁵ \$10 monthly

NEW!



B

\$99⁹⁵
\$5 monthly

Genuine Walnut—Fits-in
"Naturally" Anywhere



C

\$159⁹⁵ Stereo FM, FM-AM and Changer
on Genuine Walnut Base

NEW!



NEW!

D

Great for the Teenager and Student

\$49⁹⁵
\$5 monthly



NEW!

E

Luggage Styled and Decorator
Designed with Formed Wood Cabinet

\$89⁹⁵
\$5 monthly

Enjoy Your Portable Stereo Phono Now—Take Up to 2 Years to Pay

ALLIED 103

Latest in VHF and Multiband Portable Radios



New!

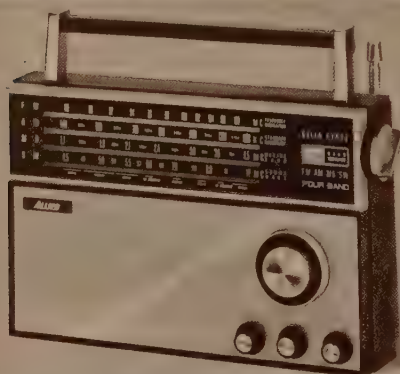
Allied 4-Band FM-AM-VHF AIR-VHF PSB *

\$49.95

- Squelch Control • Night-Light Pushbutton
- 4" Speaker • AFC for Drift-Free FM
- 5\$ monthly • 10:1 Vernier Tuning • Local-Distance Switch

Allied's own value-packed 4-band portable. Tunes static-free FM, standard AM, local aviation services and planes on 107-136 MHz band, plus 148-174 MHz "Public Service Band for police, commercial vehicles, radiotelephone, and CD. 13 transistors, 9 diodes, thermistor. Earphone, AM ant., telescoping FM-VHF ant. 7 $\frac{1}{4}$ x 10 $\frac{1}{4}$ x 3 $\frac{3}{4}$ ". Order batteries or AC adapter below.

10 B 4515 S. Japan. Wt., 8 lbs. \$5 Monthly..... **49.95**
 18 B 5078. "C" Batteries. (Uses 6.) 6 oz..... **Pkg. 2/33¢**
 10 B 4159 S. AC Adapter. Wt., 8 oz..... **3.95**



New! Allied 4-Band FM-AM-SW-Marine Radio

\$39.95

- Band Spread for Fine Tuning • AFC on FM
- External Antenna Jack • Tone Control
- 5\$ monthly • Vernier Tuning on Slide-Rule Dial

A sensational price for a deluxe 4-band portable! Pulls in static-free FM, standard AM, plus local maritime signals and weather on the 1.7 to 4.5 MHz marine band, and international broadcasts on 4.5 to 12 MHz shortwave. Band indicator window. 3 $\frac{1}{4}$ x 4 $\frac{3}{4}$ " speaker. 12 transistors, 7 diodes. Earphone. Built-in AM, telescoping FM antennas. Order batteries or AC adapter below. 6 $\frac{3}{4}$ x 10 $\frac{1}{4}$ x 3". From Japan.

10 B 4516 S. Wt., 6 lbs. \$5 Monthly..... **39.95**
 18 B 5078. "C" Batteries. (Uses 4.) 6 oz..... **Pkg. 2/33¢**
 10 B 4160 S. AC Adapter. Wt., 8 oz..... **3.95**

A New! Allied 5-Band Deluxe AC/DC Portable

- Tunes FM, AM, SW plus VHF Aircraft and Public Service Bands
- 15 Transistors, 6 Diodes • Highly Sensitive and Selective
- Shortwave Antenna Jack • Built-in AC Cord • Dial Light

Sensational value in a high-performance 5-band portable. Highly sensitive and selective circuit tunes FM and AM, plus: international shortwave on 5 to 12 MHz; local airports and planes on 108 to 142.70 MHz; police, commercial vehicles, radio-telephone on 143.80-177.38 MHz. Motorola-type antenna jack for SW. AFC on FM. Big 3x6" speaker. 15 transistors, 6 diodes, thermistor. Built-in AM, SW antennas, telescoping FM-VHF ant. 7 $\frac{3}{8}$ x 10 $\frac{1}{2}$ x 3". Batteries, earphone, built-in AC adapter. Japan.

10 B 4362 X. Wt., 8 lbs. \$5 Monthly..... **59.50**
 11 B 1239. Shortwave Antenna Kit. With 100' wire, 40' lead-in, 25' ground wire, accessories. 2 $\frac{1}{2}$ lbs..... **2.19**
 47 B 1152. Motorola-Type Antenna Adapter Plug. 1 oz..... **1.1¢**
 18 B 5078. Extra "C" Batteries. (Uses 4.) 6 oz..... **Pkg. 2/33¢**

B NordMende 15-Band FM-AM-SW-LW

"Globetraveler." Deluxe in every detail for finest performance in car, boat, home, outdoors. Hear FM-AM, plus LW on 230-400 kHz; marine signals on 1.5-3.65 MHz. Hams on 14-14.35 MHz. Eleven spreadband SW bands from 3.61-22.10 MHz. 14 transistors, 12 diodes; 4 IF's on FM, 3 on SW. Tuning meter; bass; treble; AFC. Dual telescoping antennas. SW ext. antenna adapter, phono input, amplifier, recorder jacks. Vinyl-covered wood case, 8 $\frac{1}{2}$ x 12 $\frac{1}{2}$ x 4". Order batteries or AC adapter below. From West Germany.

10 B 4200 X. Radio Alone. 10 $\frac{1}{4}$ lbs. \$9 Monthly..... **169.95**
 10 B 0058 L2 X. Radio and Adapter. Save \$5.00. 11 $\frac{1}{2}$ lbs. **179.95**
 10 B 4193 S. AC Adapter. For 110/220 VAC. 1 $\frac{1}{4}$ lbs..... **14.95**
 18 B 5079. "D" Batteries. (Uses 5.) 12 oz..... **Pkg. 4/65¢**
 10 B 4201 X. Lockable Mobile Mt. 6-12 V. 6 lbs..... **19.95**

C New! Allied 5-Band FM-AM-Marine-SW

Outstanding performance, plus smart, good looks! You hear quality FM and AM; marine band on 1.7-4.5 MHz; two shortwave bands on 4.5-12 and 11-22 MHz. Boasts 12 transistors, 7 diodes, 1 thermistor. Vernier tuning with electronic bandspread. 3 $\frac{1}{4}$ x 4 $\frac{3}{4}$ " speaker. Local-Distance switch, AFC, calibrated tone control, night-light, earphone. Ferrite AM, telescoping FM, SW antennas; external SW ant. jack. Order batteries or 117 VAC adapter below. Textron case with walnut finish insert. 7 $\frac{1}{4}$ x 9 $\frac{3}{4}$ x 4". From Japan.

10 B 4370 S. Wt., 6 lbs. \$5 Monthly..... **49.95**
 18 B 5078. "C" Batteries. (Uses 4.) 6 oz..... **Pkg. 2/33¢**
 10 B 4160 S. AC Adapter. Wt., 8 oz..... **3.95**

D New! Realtone 6-Band FM-AM-LW-MB-SW

The world is at your fingertips with this exciting 6-band portable. Offers quality FM and AM, plus marine calls and aviation weather on 150-400 kHz longwave; 1.8-4.2 MHz for more marine signals; international shortwave in two bands (3.8-10.2; 9.8-18.2 MHz). Vernier tuning, plus electronic bandspread. 13 transistors, 8 diodes, thermistor. 4x6" speaker, tone control, night-light. 8x12x5". With 6 batteries, earphone. Built-in AM, telescoping FM ant. AC adapter below. From Japan.

10 B 4517 S. Wt., 9 $\frac{1}{2}$ lbs. \$5 Monthly..... **69.95**
 18 B 5079. Extra "D" Batteries. 12 oz..... **Pkg. 4/65¢**
 10 B 4159 S. AC Adapter. Shpg. wt., 8 oz..... **3.95**

E Realtone 11-Band FM-AM-LW-SW Portable

You are there instantly with the "Globepacer". Boasts 11 bands with individual dial scales that snap into view at the turn of a dial. Powerful circuit has 18 transistors, 9 diodes, thermistor. 4" speaker. AFC on FM. Local-Distance switch. Tone control. Bands: FM and AM; LW on 150-400 kHz; Shortwave from 2 MHz to 17.9 MHz in 8 bands with 5 bandspreads. 69" telescoping antenna; plug-in SW wire antenna. Ext. amplifier jack. 8x13x5 $\frac{3}{4}$ ". With earphone, 6 batteries. From Japan.

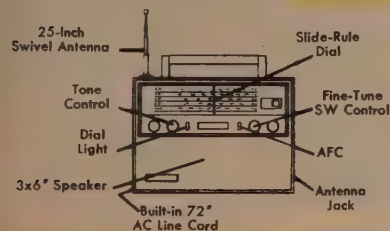
10 B 4350 X. Wt., 15 lbs. \$5 Monthly..... **99.95**
 18 B 5078. Extra "C" Batteries. 6 oz..... **Pkg. 2/33¢**
 10 B 4001 S. AC Adapter for 117 VAC. Wt., 14 oz..... **5.95**

Choose from Allied's Finest Selection Ever!

FM-AM-Shortwave, Two VHF Bands!
What a Value!

A Deluxe Portable, That Plays on Batteries or Regular AC, Offering Premium-Quality FM and AM Performance, plus Very Sensitive Reception of Shortwave and VHF Bands including Aircraft and Police!

5 Bands
\$59⁵⁰
\$5 monthly



15 Bands
\$169⁹⁵
\$9 monthly



Plays from Car Battery with Optional Mount

It's a Portable Radio Outside Your Car

5 Bands
\$49⁹⁵
\$5 monthly



6 Bands
D \$69⁹⁵
\$5 monthly

11 Bands
E \$99⁹⁵
\$5 monthly



WHAT YOU CAN EXPECT FROM OUR VHF PORTABLES

Frequency Coverage

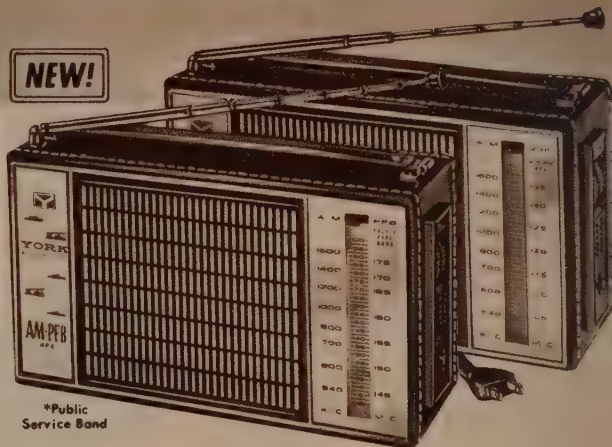
108-135 MHz—aircraft, local airports and navigation stations, 148-174 MHz—business vehicles, public service, police and fire depts. *Consult authorities for frequencies used in your area.*

Location is Important!

The closer you are to a highway, airport, harbor or other source of VHF signals, the more you will hear. Calls generally will be of short duration with random elapsed time between calls. Television audio can also be heard.

Values in VHF Portables

NEW!



*Public Service Band

AM-VHF Aircraft or PSB*

Your Choice of Model **\$29⁹⁵**

- Built-in Adapter for 117 VAC Operation
- Large 3 1/2" Speaker for Rich, Clear Sound

York AM-VHF/Aircraft Portable

Exciting! Hear planes in flight, aviation control towers, approach control, local navigation (Omni) stations. Covers 108-135 MHz, plus AM. Self-storing cord for 105-120 VAC plus 4 "C" batteries for operation up to 500 hours. AFC for no-drift VHF. 10 transistors, 6 diodes, thermistor. 3 1/2" speaker, telescoping antenna. Black leatherette case, 9x3x5 1/4". From Japan. Shpg. wt., 6 lbs.

10 B 4520 S. \$5 Monthly. **29.95**

18 B 5078. Extra Batteries. Uses 4. Wt., 6 oz. Pkg. of 2 for 33⁹⁵

York AM-VHF/PSB* Portable Radio

All of the deluxe features of radio at left, but tunes 148-174 MHz Public Service Band. Receives exciting police and fire calls, other emergency calls, plus local business and public service communications. Receives radio-telephone calls too. 10 transistors, 6 diodes, thermistor. Automatic Frequency Control assures stable, no-drift VHF reception. From Japan. Shpg. wt., 6 lbs.

10 B 4521 S. \$5 Monthly. **29.95**

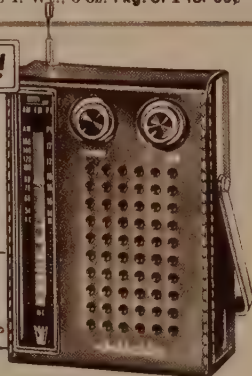
18 B 5078. Extra Batteries. Uses 4. Wt., 6 oz. Pkg. of 2 for 33⁹⁵

AM-FM VHF/PSB*

NEW!



Complete
with AC
Adapter



AM-FM-VHF/PSB* Battery/AC Portable

\$39⁹⁵

- RF Amplifier Pulls in Weak Stations
- 12 Transistors • AFC on FM and VHF
- Leather-Like Carrying Case

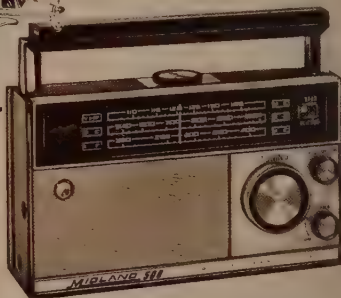
New 3-band portable is only 7x5x2 3/4" but performs on a par with larger and more costly radios. VHF/PSB Band (146-174 MHz) lets you hear exciting local coverage: radio-telephone, business vehicles, trucks, police, fire dept., public services. Also listen to AM or FM bands. 2 3/4" speaker. Plays on 4 "AA" batteries or built-in AC adapter. AM antenna and external telescoping FM-VHF antenna. Ivory plastic case, die-cast grille. Also includes: batteries, earphone, case, straps. From Japan. Wt., 3 lbs.

10 B 0015 S. \$5 Monthly. **39.95**

18 B 5083. Extra Batteries. Uses 4. Wt., 5 oz. Pkg. of 2 for 27⁹⁵



VHF- Aircraft



Midland AM-LW-VHF/Aircraft Radio

\$69⁹⁵

- Covers Entire VHF Aviation Band
- Compass Rose for Direction Finding
- Ideal for Pilots and Sportsmen

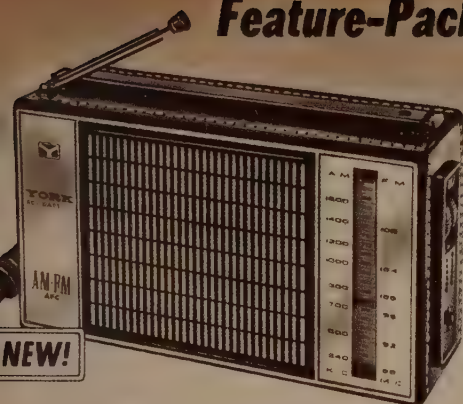
Unusually sensitive, lightweight portable that gives you a 108-136 MHz band for aviation, a 200-400 kHz band for weather and other services, plus standard AM band. Compass rose for direction finding with LW-AM. Tone control. Telescoping VHF antenna. Jacks for external VHF antenna, earphone, and standard headphone. Large 4" speaker. 12 transistors. 8 3/4 x 7 x 3". With 6 "C" batteries and earphone. From Japan. Shpg. wt., 5 lbs.

10 B 4166 S. \$5 Monthly. **69.95**

10 B 4167 S. 110-VAC Adapter. Wt., 1 lb. **4.95**

18 B 5078. Extra Batteries. Uses 6. Wt., 6 oz. Pkg. of 2 for 33⁹⁵

Feature-Packed Transistor Portables



NEW!

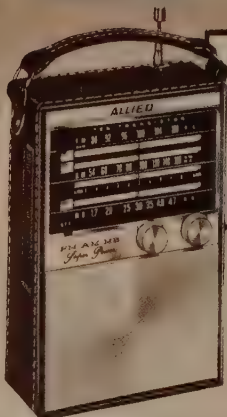
York Double-Powered FM-AM Portable

- Plays on Batteries or AC
- Leatherette-Covered Case
- Automatic Frequency Control

\$27⁹⁵

This compact portable gives you FM and AM listening with outstanding tone and clarity, at a low Allied price. Deluxe circuit has 10 transistors, 5 diodes and a thermistor. Operates up to 500 hours on one set of flashlight batteries, operates as a table model on regular 105-120 VAC with built-in line cord. Automatic frequency control assures drift-free FM reception. Full-toned $3\frac{3}{4}$ " speaker, slide-rule dial for precision tuning. Smart leatherette-covered case with leatherette-covered spring steel handle. 4 "C" batteries included. Case size: $8\frac{3}{4} \times 3 \times 5\frac{1}{2}$ ". From Japan. Shpg. wt., $4\frac{1}{2}$ lbs.

B 4369 S. \$5 Monthly. 27.95
B 5078 S. Extra Batteries. Uses 4. Wt., 6 oz. Pkg. of 2 for 33⁹⁵



FM-AM-MB

\$29⁹⁵

Complete With
AC Adapter



Allied® Double-Powered 3-Band Radio

- 3 Bands—Standard FM, AM and 1.7-4.7 MHz Marine
- AFC for Drift-Free FM • 11.5:1 Vernier Tuning
- With Full Set of Handy Accessories • Deluxe Case

Three bands bring you FM, AM and 1.7-4.7 MHz band for local marine weather, time, ship-to-shore, 75 and 80 meter amateur. Great radio when fishing, boating or camping. 10 transistors, 7 diodes. Operates on either 4 "AA" batteries or standard house current. Easy slide-rule tuning. Tone control, long distance switch. AFC. Built-in telescoping antenna. $3\frac{1}{2}$ " speaker. Leather-like vinyl case. $8 \times 5\frac{1}{2} \times 2\frac{1}{2}$ ". With adapter, earphone, shoulder strap and batteries. Japan. Shpg. wt., $3\frac{1}{2}$ lbs.

10 B 4034 S. \$5 Monthly. 29.95
18 B 5083. Extra Batteries. Uses 4. Wt., 5 oz. Pkg. of 2 for 27⁹⁵



NEW!

Juliette AM Portable

- Miniature Size
- 8 Transistors

\$6⁹⁵

Our smallest portable radio. Comfortably slips into pocket or purse. Circuit includes 8 transistors, a diode and thermistor for good performance. 2" speaker. With carrying strap, case, "AA" battery, earphone. $2\frac{3}{4} \times 2\frac{1}{4} \times 1\frac{1}{2}$ ". From Hong Kong. Wt., 8 oz.

B 4037 S. 6.95
B 5083. Extra Batteries. Uses 1. Wt., 5 oz. Pkg. of 2 for 27⁹⁵

NEW!



York 10-Transistor AM Radio

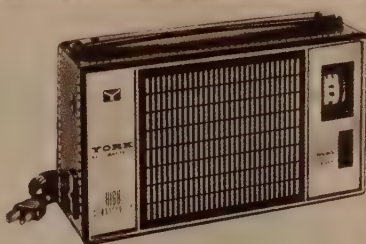
Shirt-Pocket
Size

\$9⁹⁵

- Full-Powered $2\frac{1}{2}$ " Speaker
- Accurate Vernier Tuning

Has all the power you need to pull in all local AM stations. Geared vernier dial for accurate tuning. Has $2\frac{1}{2}$ " speaker. Smartly styled in high-impact black plastic. Push-pull audio output circuit. Includes leather-like vinyl carrying case, earphone with protective pouch, 9-volt battery. Overall size: $4\frac{1}{2} \times 2\frac{3}{4} \times 1\frac{1}{2}$ " deep. From Japan. Shpg. wt., $1\frac{1}{4}$ lbs.

10 B 4375 S. 9.95
18 B 5980. Extra Batteries. Uses 1. Shpg. wt., 6 oz. Pkg. of 2 for 59⁹⁵



Long-Range AM Portable

Battery/AC
Portable

\$18⁹⁵

- Ideal for Camping or Home Use
- Tuned RF Stage for High Sensitivity

Double-powered, operates on 4 "C" batteries or on regular 117-volt current with its own built-in AC line cord. Circuit has eight transistors, 3 diodes. Tuned RF stage with 3-gang capacitor for pulling-in those hard-to-get stations, even in fringe areas. Big $3\frac{3}{4}$ " speaker. Black leatherette covered case, leather covered spring steel handle. $8\frac{3}{4} \times 3 \times 5\frac{1}{2}$ ". Japan.

10 B 4138. 4 lbs. \$5 Monthly. 18.95
18 B 5078. Extra Batteries. Uses 4. Shpg. wt., 6 oz. Pkg. of 2 for 33⁹⁵

Complete Selection of Stereo and FM-AM Radios

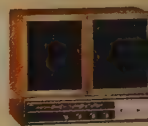
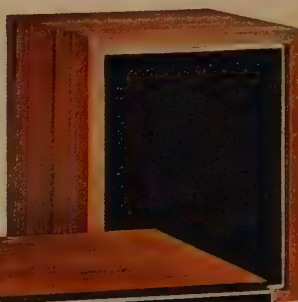


Stereo FM-AM Radio
in Walnut Cabinet

\$99⁹⁵

\$5 monthly

(A)



Speakers or Changer
Fit Base Perfectly



Matching
Changer **\$39⁹⁵**

\$5 monthly

Stereo FM-AM
with 4 Speakers

(B)

\$69⁹⁵

\$5 monthly



Closed, Measures Only
9 1/2 x 17 3/4 x 9 3/4"



NEW!



(C) Solid-State Stereo
FM-AM Radio

\$59⁹⁵

\$5 monthly



\$49⁹⁵ \$5
monthly

(D)

Stereo FM-AM Radio
in Wood Cabinet

NEW!



\$34⁹⁵ (E) Twin Speaker
FM-AM Radio
in Wood Cabinet

\$5 monthly

. Get the Best Sound for Your Money

A Panasonic Solid-State Stereo FM-AM Radio

You can't match this exceptional offer of top-grade quality, performance, and luxurious appearance at this remarkably low price! You'll hear exciting stereo-FM, plus long-distance AM, from this component-styled compact unit. 34 solid-state devices give you 10 watts of power to drive the two large $6\frac{1}{2}$ " dynamic speakers. Speakers separate up to 10 feet for wide stereo separation or fit atop control panel to save space. Stereo-eye tuning system and lighted slide-rule dial make it easy for anyone to tune in a stereo broadcast. AFC keeps FM stations locked in, prevents drift.

Built-in FM-AM antennas. Variable tone control lets you adjust balance between bass and treble. Input jack for adding record changer or tape recorder. Matching wood cabinets finished in striking walnut veneer. Control center, $16\frac{1}{2} \times 3\frac{1}{8} \times 9\frac{3}{16}$ "; speakers each, $8\frac{1}{4} \times 8\frac{1}{2} \times 5\frac{1}{2}$ ". For 117 VAC. From Japan. Wt., 22 lbs.
0 B 4212 X. \$5 Monthly..... **99.95**

Speed Changer. Fits atop radio. Synthetic sapphire needles, ceramic stereo cartridge, dust cover, walnut base. $6 \times 16\frac{1}{2} \times 9\frac{1}{2}$ ". For 117 VAC. 0 B 4356 X. Wt., 10½ lbs. \$5 Monthly..... **39.95**

B Lloyd's Stereo FM-AM Table Radio

Performs as good as it looks... priced amazingly low for its quality features. It's a full-size, component-styled stereo-FM and AM music system. Two speaker systems separate up to 20 feet for best stereo reception. Twelve tubes plus 5 solid-state devices give you brilliant, room-filling sound.

Ratio detector, FM discriminator, plus sensitive RF amplifier stage assure you of pure static-free FM reception, even in weaker signal areas. AFC keeps FM securely locked in. Speaker systems, each consisting of $6\frac{1}{2}$ " and $2\frac{1}{4}$ " speakers, deliver wide-range sound.

Slide-rule dial has logging scale for easy tuning. Balance and tone controls adjust system to your personal taste. Stereo indicator light; colored function indicator lights. Wood-grain-finished high-impact plastic cabinet. Control center, $9\frac{1}{2} \times 17\frac{3}{4} \times 6\frac{1}{4}$ "; speaker enclosures, $5 \times 8\frac{3}{4} \times 3\frac{1}{2}$ ". For 115 VAC. From Japan. Wt., 20 lbs.
0 B 4213 X. \$5 Monthly..... **69.95**

C Lloyd's Solid-State Stereo FM-AM Radio

Unique electronic design boasts 24 transistors, push-pull circuit for powerful undistorted output, instant "on." 4-stage IF on FM and 3 stage IF on AM for outstanding performance. You hear static-free stereo-FM, plus FM and AM. AFC circuit assures drift-free FM. Automatic gain control. Twin matching 4×6 " dynamic oval speakers. Separate bass, treble, volume, balance, selector and tuning controls. Separate on-off switch, tape/phono switch. Stereo indicator light flashes on when stereo signal is received. Tape or phono input. Trailing wire FM, ferrite-bar AM antennas. Smart plastic cabinet. $8\frac{1}{2} \times 21\frac{1}{2} \times 6\frac{1}{2}$ ". 110-120 V, 60 Hz AC. Japan. Shpg. wt., 19 lbs.
0 B 4367 X. \$5 Monthly..... **59.95**

D Delmonico Stereo FM-AM Radio in Wood

Many fine features—a remarkable low price! High-styling and quality electronics distinguish this stereo-FM and AM radio. You'll be delighted with its handsome walnut veneer wood cabinet and matching grille cloth. Two 5" and two 4" speakers assure good stereo FM sound and combine for wide response on monaural FM and AM. Large slide-rule dial for precision tuning. AFC prevents FM drift. Stereo indicator light flashes on when stereo broadcast is received. Balance and tone controls adjust program material to your personal listening taste. $9\frac{1}{2} \times 23\frac{1}{2} \times 7\frac{3}{8}$ ". For 115 VAC. Japan. 20 lbs.
0 B 4260 X. \$5 Monthly..... **49.95**

E York Solid-State FM-AM Radio in Wood

You can't beat this wood-cabinet solid-state radio for value. Looks like an expensive decorator-styled unit with its deluxe walnut veneer cabinet, brushed gold control panel and rich grille cloth. You hear static-free FM and clear AM. AFC locks in FM stations for drift-free music. Two 4" wide-range dynamic speakers have exceptionally fine tone. 15 semiconductors give you 1-watt undistorted output power. Free of hum, noise, and heat—you get only pure sound. Get instant music, too—no warmup time required. Continuous tone control. Slide-rule dial for accurate tuning. Size, $7 \times 14\frac{1}{4} \times 5\frac{1}{8}$ ". For 110-120 V, 60 Hz AC and DC. From Japan. Wt., 8 lbs.
0 B 4366 S. \$5 Monthly..... **34.95**



Lloyd's Solid-State FM-AM-SW Radio

\$39.95

\$5 monthly

- 11 Transistors and 8 Diodes
- AFC Prevents FM Station Drift
- Twin 4x6-inch Oval Speakers

Enjoy FM and AM reception *plus* shortwave for the price of many FM-AM radios alone! Hear static-free music on FM; sports, news, music on AM; foreign broadcasts on 4-12 MHz shortwave. RF amplifier for sensitive tuning. FM ratio detector blocks static. Push-pull output for clear, high-fidelity sound. Local/Distance switch. Tone control. Walnut wood-grained plastic cabinet, $8\frac{1}{2} \times 21\frac{1}{4} \times 7\frac{3}{4}$ ". For 117 VAC. Japan.
10 B 4254 X. Wt., 10 lbs. \$5 Monthly. **39.95**



Lloyd's Solid-State FM-AM Radio

\$29.95

\$5 monthly

- Walnut Finished Wood Cabinet
- Two Oval Dynamic Speakers
- Reliable All-Transistor Circuit

An exceptional value in a low-cost high-style solid-state FM-AM radio with walnut case. Gives you monaural FM or AM programs the moment you turn it on. Cool operating for reliable performance. 3" and $2\frac{1}{2}$ " dynamic speakers provide rich, full sound. AFC prevents FM drift. Tone control; slide-rule dial. FM wire antenna. Chrome-trimmed cabinet. $4\frac{3}{4} \times 11\frac{1}{8} \times 4\frac{1}{4}$ ". 117 VAC. Japan.
10 B 4235 X. Wt., $4\frac{1}{2}$ lbs. \$5 Monthly. **29.95**



NEW!
Sensational
Value

\$24.95

Panasonic Solid-State FM-AM Radio

Smart styling, modern circuitry, and an abundance of power make this a value that's hard to beat! 7-transistor circuit plays the instant you turn it on. $1\frac{1}{2}$ watts of output power, AFC prevents FM drift. Large 4" speaker. Built-in FM and AM antennas. Antique white high-impact plastic cabinet, $5\frac{1}{2} \times 12 \times 4\frac{1}{4}$ ". For 117 VAC. From Japan.
10 B 4365 S. Wt., 4 lbs \$5 Monthly..... **24.95**

FM-AM**Solid-State Clock Radios****NEW!****York Solid-State FM-AM Clock-Lamp-Radio****\$49.95**

- It's a Full-Powered FM-AM Radio
- Clock Has Luminous Hands and Dots
- High-Intensity Lamp is Adjustable 3 Ways

\$5 monthly

New! Different! Versatile! Perfect for home or office—makes a fine gift. FM-AM radio with large $3\frac{1}{2}$ " speaker is powered by 15 ultra-reliable semiconductors. Slide-rule dial for precise tuning. Built-in AFC locks in FM stations. Full-feature Telechron clock wakes you to your favorite FM or AM station, or buzzer alarm. High-intensity lamp adjusts to 3 intensities. Swivel-telescoping arm adjusts to any length or angle. Ivory base, rosewood trim, $9 \times 6\frac{3}{4}$ ".

117 VAC. From Japan.
10 B 4374 S. Wt., 6 lbs. \$5 Monthly..... 49.95

**York All Wood FM-AM Clock-Radio****\$39.95**

- Full-Feature Telechron Clock
- One-Watt Output
- Snooze Button
- Lighted Clock Dial
- Tone Control

\$5 monthly

Combines walnut wood cabinetry with deluxe FM-AM radio and automatic clock. 15 semiconductors assure cool operation, instant sound (no warmup required). FM has AFC for drift-free tuning. Clock turns radio on and off automatically. Snooze button gives you several extra 10 minute morning naps. 4" speaker; slide-rule dial. Hand-crafted oiled walnut veneer cabinet, textured grille cloth. Size, $7 \times 14\frac{1}{4} \times 5\frac{1}{8}$ ". For 110-120 V, 60 Hz AC. From Japan. Shpg. wt., $8\frac{1}{2}$ lbs.

10 B 4243 X. \$5 Monthly..... 39.95

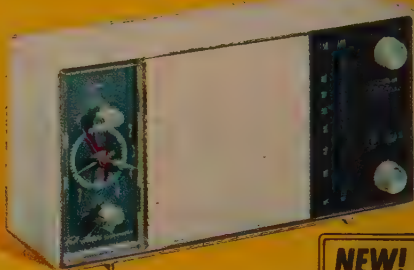
**Lloyd's Solid-State FM-AM Clock-Radio****\$34.95**

- Full-Feature Telechron Automatic Clock
- Tap the Snooze Button for Extra Naps
- Wide-Range Two-Speaker Sound
- AFC

\$5 monthly

Impressive 2-speaker FM-AM radio, with automatic clock, in an expensive-looking cabinet. Radio lulls you to sleep—sleep switch shuts radio off up to one hour later. Clock wakes you to radio or alarm. Tap snooze button for extra 10 minute naps. Clock face has luminous dial. AFC prevents FM drift. 8-transistor, 5-diode circuit provides excellent sound. External telescoping FM antenna, built-in AM antenna. Wood-grained plastic cabinet, $11\frac{1}{4} \times 3\frac{1}{2} \times 4\frac{1}{2}$ ". For 117 VAC. From Japan.

10 B 4297 X. Wt., 5 lbs. \$5 Monthly..... 34.95

**NEW!****York Solid-State FM-AM Clock-Radio****\$29.95**

- Powerful 15-Semiconductor Circuit
- Telechron Clock with Snooze Button
- Slide-Rule Dial
- AFC Prevents FM Drift

\$5 monthly

New! Our lowest price ever for a full-feature solid-state FM-AM clock-radio! New, smart... the buy of the year. 15-semiconductor circuit for static-free FM, clear AM. 1-watt undistorted output. AFC circuit prevents FM drift. Slide-rule dial for precision tuning. Big 4" dynamic speaker. Reliable Telechron clock wakes you to radio or alarm. Tap snooze button for extra naps. Plastic cabinet, silver trim, $5\frac{3}{4} \times 10\frac{3}{4} \times 3\frac{3}{4}$ ". For 117 VAC. Shpg. wt. $5\frac{1}{2}$ lbs. From Japan.

10 B 4518 S. \$5 Monthly..... 29.95

FM-AM, Multiband Portables for Home, Car

Hitachi Stereo FM-AM "Traveler" Portable

\$79⁹⁵

\$5 monthly

- 17 Transistor Circuit • AC Adaptable
- Two 4" Speakers Fold Behind Cabinet
- Stereo Indicator Light • Tone Control

"The Traveler." Amazing radio to take with you *anywhere* and hear stereo FM with excellent channel separation, and AM, too. Enclosures, with 4" speakers, separate for full stereo realism—fold behind cabinet when traveling. Amazingly small—only 9½" wide when closed, 19" wide opened. Fits in small spaces at home, adds a special touch to picnics or outings.

17-transistor circuit develops 800 milliwatts (Music Power)—yet entire radio, including batteries, weighs less than 5 pounds! Size and weight makes it easily portable.

Built-in AFC for drift-free FM. Tuner output for use with an external amplifier. Stereo earphone jacks, indicator light; tone control; built-in AM and telescoping FM antennas. 8½x9½x4". 4 "C" batteries, earphones. 110-120 V. 60 Hz AC with adapter below. Japan.

10 B 4363 S. Wt., 6 lbs. \$5 Monthly..... 79.95
10 B 4364 S. AC Adapter. Wt., 6 oz..... 4.95
18 B 5078. Extra "C" Batteries (Uses 4). 6 oz..... 2 for 33¢



NEW!

A NordMende "Transita" 4-Band Car/Portable

\$89⁹⁵

\$5 monthly

- 10 Transistors, 6 Diodes • Illuminated Dial
- Battery Saver Cuts Current Drain 50%
- 2-Watt Output • Uses Car Batt., Antenna

Our most versatile car/portable radio! Tunes 6-12 MHz on SW (Hams, marine, foreign stations); LW on 150-250 kHz (aviation weather, beacons); plus FM and AM. Pushbutton band selectors. Treble, bass, AFC controls. 5¼" speaker. Telescoping FM-SW, ferrite AM-LW antennas. Order "C" batteries, AC adapter, below. 9x11½x3¾". W. Ger.

10 B 4269 X. Wt., 7 lbs. \$5 Monthly..... 89.95
10 B 4270 X. Car Mtg. Bracket, Lock. Wt., 1½ lbs..... 19.95
10 B 4193 S. AC Adapter. Wt., 1¼ lbs..... 14.95
18 B 5078 "C" Batteries (Uses 5). 6 oz..... Pkg. 2/33¢



B Panasonic Compact 3-Band Car/Portable

\$54⁹⁵

\$5 monthly

- 10 Transistors, 6 Diodes • Tone Control
- AFC for Drift-Free FM • Earphone Jack
- Illuminated Slide-Rule Dial • 5" Speaker

It's both a car radio and a fun-to-carry portable. Receives FM, AM, and 1.6-4.5 MHz Marine Band. In car, uses 6 or 12-V car battery, antenna, bracket (order below)—portable batteries disconnect automatically. Removed from car uses 4 "C" batteries (included) and telescoping whip antenna. Easel handle functions as stand. Earphone. Plastic case, 5¼x9½x2¾". From Japan.

10 B 4011 S. Wt., 5 lbs. \$5 Monthly..... 54.95
10 B 4074 S. Car Bracket with Lock. Wt., 1 lb..... 12.95
18 B 5078 Extra Batteries. Wt., 6 oz..... Pkg. of 2/33¢



C Craig 2-Band FM-AM Car/Portable

\$46⁹⁵

\$5 monthly

- Powerful 2-Watt Output • Dial Light
- 10-Transistor Circuit • Tone Control
- 4x3¼" Speaker • Fits Most Cars

Enjoy static-free FM and sensitive AM reception in your car, boat or anywhere at low cost. Radio operates from its own batteries as a portable, or from any 6 or 12-V car battery with optional bracket, below. Dial lights when used as car radio. AFC. Earphone, batts. 2x8¾x6". Japan.

10 B 4416 S. Wt., 3½ lbs. \$5 Monthly..... 46.95
18 B 5083. Extra "AA" Batteries (Uses 4). 5 oz. Pkg. 2 for 27¢
10 B 4217 X. Auto-Boat Mounting Bracket Kit, 5½" Speaker. With lock, key, car antenna input. Wt., 5 lbs..... 10.95

No Money Down With an Allied Credit Fund Account... Take Up to Two Years to Pay

ALLIED

111

Enjoy the Thrilling Sound and Convenience of



Ranger Automatic 4- and 8-Track Home Stereo Tape Cartridge Player

With Speakers • Fine-Tuning Control for Precise Alignment of Head to Track
 • Illuminated Channel Indicator

\$149.95

Exciting new stereo sound for your home! Enjoy the superb sound of taped stereo music without the inconvenience of winding and threading reels of tape. Simply insert the tape cartridge into the cartridge player—solid-state circuit turns on automatically and plays instantly. Plays both 4- and 8-track stereo cartridges.

Tape cartridge plays continuously. Channel switches automatically at the end of each program, or may be changed manually with the Channel Selector bar. Cartridge may be removed at any point—no tape to rewind. Exclusive fine-tuning control adjusts the playback head to precision alignment with the recorded tracks, lets you tune out unwanted crosstalk even in worn or defective cartridges.

Cartridge player and speakers are housed in beautiful walnut cabinets. Complete system fits neatly in a bookshelf or on any table top. Detachable speakers may be separated for outstanding stereo sound. $6\frac{1}{4} \times 29 \times 8\frac{1}{2}$ ". For 115 volts, 60 Hz AC. Japan. Wt., 15 lbs.

15 B 7437 X. \$8 Monthly. **149.95**



Ranger Automatic 4- and 8-Track Home Stereo Tape Cartridge Deck

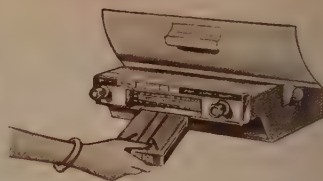
• Play Stereo Tape Cartridges Through Your Stereo System
 • Hand-Rubbed Walnut Cabinet

\$79.95

\$5 monthly

Tape cartridge deck lets you play 4- and 8-track stereo tape cartridges through your home stereo system. Operation is fully automatic—insertion of cartridge turns unit on, removal of cartridge turns unit off. Changes channels automatically at the end of each program, or may be changed manually with Selector Bar. Illuminated channel indicator permits program selection. Fine-tuning control adjusts the playback head to precision alignment with the recorded tracks. Hand rubbed walnut cabinet. $6\frac{1}{4} \times 12 \times 8\frac{1}{2}$ ". For 115 VAC. From Japan. 12 lbs.

15 B 7438 X. \$6 Monthly. **79.95**



A Ranger 4- and 8-Track Car Stereo Tape Player

Thrill to the sound of stereo music as you drive. Car stereo tape player lets you select the music you want to hear. Operation is completely automatic, will not distract you while driving. Insertion of 4- or 8-track cartridge activates correct mechanism, unit plays instantly. Solid-state 14-watt stereo amplifier produces full, rich stereo. Changes channels automatically at the end of each program, or you can change them with a touch of the Channel Selector bar.

Features exclusive fine-tuning control that permits you to adjust the tape head for precision alignment with the recorded tracks on the cartridge. Eliminates annoying crosstalk, even on worn or defective cartridges. Black with chrome finish. $1\frac{1}{2} \times 7\frac{7}{8} \times 8"$. With four 5" hi-fi speakers and plastic grilles (can be painted to match car's interior), bracket for top or bottom mounting. For 12-volts pos./neg. ground. From Japan. Shpg. wt., 12 lbs.

19 B 4253 X. \$5 Monthly. **89.95**

B Ranger Car Stereo Tape Player with FM Radio

Auto entertainment center lets you enjoy both a car stereo tape cartridge player and an FM radio, all in one compact unit. Looks just like an attractive FM radio, but when you insert a tape cartridge, the illuminated glass FM dial plate swings back and the cartridge slips into place. Tape operation is completely automatic. Insertion of either 4- or 8-track cartridge activates proper mechanism—no switches to set. Automatically turns off when you remove cartridge.

Channels change automatically at end of each program, or they may be changed manually with a touch of the Channel Selector Bar. Illuminated channel indicator. Exclusive Fine-Tuning control lets you tune out any crosstalk, even in worn or defective cartridges. Features solid-state 14 watt stereo amplifier for spectacular sound. Four 5" speakers and plastic grilles that can be painted to match car's interior are included. FM plays through both amplifiers monaurally, or order FM multiplex adapter for stereo FM, below.

Black and chrome. With bracket for mounting from either top or bottom. $1\frac{1}{2} \times 7\frac{7}{8} \times 8"$. For 12-V neg. gd. Japan.

19 B 4020 X. Shpg. wt., 13 lbs. \$7 Monthly. **129.95**

19 B 4434. Stereo FM Adapter. 3 lbs. **29.95**

C AR Car Stereo Tape Player/FM-AM Tuners

Remarkable unit from Automatic Radio plays both 4- and 8-track stereo tape cartridges and converts to FM or AM radio with optional tuner cartridges. Completely automatic—insert cartridge and player starts; remove it, player stops. Tape programs play continuously, or you can change tracks with a Shift Button. Lighted window indicates selection being played. Solid-state 10-watt stereo amplifier turns on instantly. Four-way speaker balance for left/right and front/rear.

Mounts easily under dash in theftproof bracket. Turn key, and player slides out for home use with AC adapter below. No wires to disconnect; all wires connect to bracket. With theftproof mounting bracket, four 5" full-range speakers with chrome grilles. Walnut case, $3\frac{3}{4} \times 8\frac{1}{2} \times 8"$. For 12-volts, neg. ground. Order AC adapter, FM, and AM tuners below. Shpg. wt., 14 lbs.

19 B 4244 X. \$6 Monthly. **109.95**

FM Tuner Cartridge (D). 88-108 MHz. 8 transistors, 4 diodes. 19 B 4247. Shpg. wt., 1 lb. \$5 Monthly. **49.95**

AM Tuner Cartridge (E). 540-1600 kHz. 3 transistors. 2 diodes. 19 B 4246. Shpg. wt., 1 lb. \$5 Monthly. **24.95**

19 B 4250. AC Adapter (F). Wt., 4 lbs. \$5 Monthly. **27.95**

Stereo Tape and FM Music in Your Car



Exclusive
Fine-Tuning
Control

\$89⁹⁵
\$5 monthly

Completely Automatic Operation—Starts and Changes Channels Automatically... Built-In Solid-State 14-Watt Stereo Amplifier

New FM Stereo Multiplex Adapter



\$29⁹⁵

Multiplex Adapter plugs into Ranger FM radio/tape player unit. Lets you enjoy stereo FM while you drive.



Exclusive
Fine-Tuning
Control

\$129⁹⁵
\$7 monthly

Looks Like an Ordinary FM Radio... Lighted Dial Tells When You Insert Tape Cartridge

Plug-In FM and AM Radio Tuner Cartridges

Insert either solid-state radio tuner cartridge into Automatic Radio tape player and enjoy excellent FM or AM. Tuners have illuminated slide-rule dials and finger-tip edge tuning.

FM TUNER CARTRIDGE



AM TUNER CARTRIDGE



\$109⁹⁵
\$6 monthly

Beautiful Walnut Case with Chrome Trim for Handsome Appearance in Home or Car

(F)

Enjoy a Stereo Car Tape Player Now... Use Your Allied Credit Fund Plan

ALLIED 113

4 or 8-Track Car Stereo Tape Players



Automatic Radio 8-Track Stereo Player

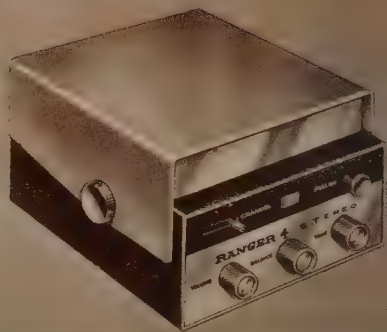
\$59⁹⁵

\$5 monthly

- Separation, Tone and Volume Controls
- Solid-State Circuit • 8-Watt Stereo Output
- Automatic or Manual Switching of Channels

Enjoy the wonderful sound of full-range stereo in your own car at a low, low price! This ultra-compact stereo tape player features a solid-state amplifier with push-pull 8-watt output for distortionless music, full channel separation. Plays any standard 8-track stereo tape cartridge (see selection on next page). Inserting tape cartridge starts player automatically, removing cartridge shuts it off. Channels switch automatically at end of each track, or may be changed manually by touching Channel Selector. Automatically replays at end of tape. Operates at $3\frac{3}{4}$ ips. Frequency response: 80 to 12,000 Hz. For 12-volt negative ground. Controls include: volume (loudness); tone; stereo separation (balance); and channel selector. Dustproof door seals cartridge opening when not in use. $2\frac{1}{2} \times 6 \times 6\frac{1}{4}$ ". Japan. Speakers below. 10 lbs.

19 B 4267 X, \$5 Monthly..... **59.95**



Ranger Compact 4-Track Stereo Player

\$39⁹⁵

\$5 monthly

- Our Lowest Priced Player
- Superb Stereo Reproduction
- All-Solid-State Circuit

This mini-sized 4-track player lets you enjoy stereo tapes in your car at a price *any* car owner can afford! Solid-state circuit offers crystal-clear stereo music with good channel separation. Plays any standard 4-track stereo cartridge (see selection on next page). Offers dual-channel volume control, dual-channel tone control, and balance control for maximum stereo realism. Dustproof door seals cartridge opening when not in use. Comes complete with universal mounting bracket, for easy installation in any vehicle. Only $3\frac{3}{4} \times 5 \times 6\frac{1}{2}$ " deep. For any vehicle with 12-volt negative ground. Order speakers below. Japan. Shpg. wt., 8 lbs.

19 B 4002, \$5 Monthly..... **39.95**

**Stereo Speakers
for Car Tape Players**



**Custom Stereo Speakers
for Car Door Mounting**



Per Pair **\$7⁹⁵** • Fit Anywhere
• No Cutting

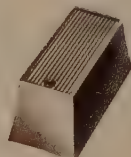
High-quality $5\frac{1}{4}$ " speakers for use with any car stereo tape player. Deliver wide-range sound. Attractive low-profile enclosures for easy installation. Mount under seats, on rear package tray, kick panels, door or seat backs. No cutting necessary. Enclosure size, $7\frac{1}{2} \times 7\frac{1}{2}$ ". Tapered $3"$ to $1\frac{1}{4}"$. Shpg. wt., 4 lbs. In pairs only.

19 B 4266 X.....Per Pair **7.95**

Per Pair **\$4³⁹** Can Be Painted
to Match Any Car

Weather-resistant 5" wide-range speakers come with plastic grilles that can be painted to match the interior of your car. In 4-door cars, speakers can be mounted in each door for stereo effect. Furnished with hardware, cable, slide-on clips, instructions and cutting template. Shpg. wt., 3 lbs. Sold in Pairs Only.

19 B 4249.....Per Pair **4.39**



\$16⁹⁵

**Console-Style
Tape Holder**

Provides convenient lockable tape storage. All-metal die-cast black and chrome console. Sturdy spring-loaded cover. Simple installation, fits both American and import autos. Easily transferred without leaving damage. $6 \times 6\frac{1}{4} \times 13"$.

19 B 4172 X, 10 lbs.... **16.95**

Tape Player Care Kit

\$2⁴⁹ Everything Needed
for True Fidelity



Complete care and maintenance kit for auto tape players. Contains tape head lubricant, tape head cleaner, two 6" cleaning brushes, 10 plastic tape storage pouches. Comes packaged in sturdy plastic box. Shpg. wt., 1 lb.

19 B 4030..... **2.49**



Portable Tape Storage and Carrying Case

\$1⁹⁵

Stores 6
Cartridges

It's easy to carry your favorite tape cartridges. Case has 6-cartridge capacity, takes 4- or 8-track. Leatherette strap.

19 B 4268, Wt., 2 lbs..... **1.95**



RCA Head-Cleaning Tape Cartridge

\$1⁹⁵

Cleans,
Polishes

Insert in player like regular cartridge. Tape moves across heads to remove oxides and oil. For 8/4 or 8-track machines only.

19 B 4269, Wt., 4 oz..... **1.95**

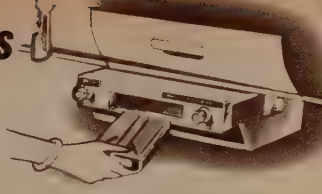
Stereo Tape Cartridges—Low Prices



Low As

\$4.98

4-Track



*Indicates Twin-Pack,
equivalent of 2 Stereo LP's

8-Track Stereo Tape Cartridges (Shpg. wt., 4 oz.)

INSTRUMENTALS—EASY LISTENING

Stock No.	Title	Artist	E.A.
19 B 4387	Heads Up	Baja Marimba Band	5.89
19 B 4270	Lonely Bull	Tijuana Brass	5.89
19 B 4271	Whipped Cream and Others	Tijuana Brass	5.89
19 B 4272	What Now My Love	Tijuana Brass	5.89
19 B 4273	S.R.O.	Tijuana Brass	5.89
19 B 4390	Sounds Like the Tijuana Brass	Tijuana Brass	5.89
19 B 4274	Themes from James Bond	Roland Shaw	5.89
19 B 4276	The Mantovani Sound	Mantovani	5.89
19 B 4277	Mantovani Magic	Mantovani	5.89
19 B 4278	Mr. Music	Mantovani	5.89
19 B 4279	Breakfast at Tiffanys	H. Mancini	5.89
19 B 4280	Pink Panther	H. Mancini	5.89
19 B 4281	Best of H. Mancini	H. Mancini	5.89
19 B 4391	Mancini '67	H. Mancini	5.89
19 B 4392	*Other Love Songs/Uniquely	H. Mancini	8.49
19 B 4282	*Movie Theme for Lovers Only	Jackie Gleason	8.49
19 B 4283	*Today's Romantic Hits I & II	Jackie Gleason	8.49
19 B 4284	*Lovers/Martini, Memories	Jackie Gleason	8.49
19 B 4388	*The Romantic Approach	Stan Kenton	8.49
19 B 4389	*Best of Kingston, Vol. I & II	Kingston Trio	8.49
19 B 4285	Bye Bye Blues	B. Kaempfert	5.89
19 B 4286	Far Away Places	B. Kaempfert	5.89
19 B 4287	Taste of Honey	Pete Fountain	5.89
19 B 4288	Licorice Stick	Pete Fountain	5.89
19 B 4289	Moon Over Naples	Billy Vaughn	5.89
19 B 4393	Quiet Village	Martin Denny	5.89
19 B 4394	1812 Overture	London Symphony	5.89
19 B 4395	Scheherazade	London Symphony	5.89
19 B 4396	Swan Lake/Sleeping Beauty	London Symphony	5.89

JAZZ

19 B 4291	Getz A-Go-Go	Stan Getz	5.89
19 B 4292	Soul Sauce	Cal Tjader	5.89
19 B 4293	Hang On Ramsey	Ramsey Lewis	5.89
19 B 4294	Wade in the Water	Ramsey Lewis	5.89
19 B 4296	Time Out	Dave Brubeck	5.89
19 B 4397	Jonah Jones	Jonah Jones	5.89
19 B 4398	West Side Story	Oscar Peterson	5.89

SOUNDTRACKS

19 B 4297	Sound of Music	Original Track	6.78
19 B 4298	Fiddler on the Roof	Original Cast	6.78
19 B 4300	My Fair Lady	Original Track	7.63
19 B 4301	Dr. Zhivago	Original Track	6.78
19 B 4302	Zorba the Greek	Original Track	6.78
19 B 4399	Cabaret	Original Cast	7.63

PIANO AND ORGAN

19 B 4303	All Time Piano Hits	Ronnie Aldrich	5.89
19 B 4404	Ebb Tide	Earl Grant	5.89
19 B 4305	At the Movies	Errol Garner	5.89
19 B 4307	*Concerto for My Love	George Shearing	8.49
19 B 4310	Shearing Touch	George Shearing	5.89
19 B 4308	Near You	Roger Williams	5.89
19 B 4309	Autumn Leaves	Roger Williams	5.89

FEMALE VOCALS

19 B 4330	Five Golden Hits	Joan Baez	5.89
19 B 4331	People	Patricia Page	5.89
19 B 4332	Golden	B. Streisand	6.78
19 B 4333	Very Best of Connie Francis	Connie Francis	5.89
19 B 4334	*Hollywood/Broadway	Nancy Wilson	8.49
19 B 4335	The Nancy Wilson Show	Nancy Wilson	5.89
19 B 4336	*Gentle Is My Love	Nancy Wilson	8.49
19 B 4337	A Touch of Today	Nancy Wilson	5.89
19 B 4405	*Tender Loving Care	Nancy Wilson	8.49
19 B 4403	Brighten the Corner	Ella Fitzgerald	5.89
19 B 4338	*I'm a Woman	Peggy Lee	8.49

MALE VOCALS

19 B 4311	Shadow of Your Smile	Johnny Mathis	5.89
19 B 4312	Dear Heart	Andy Williams	6.78
19 B 4313	Shadow of Your Smile	Andy Williams	6.78
19 B 4314	Left My Heart in 'Frisco	Tony Bennett	6.78
19 B 4316	*Ramblin' Rose/Lonely Hearts	Nat King Cole	8.49
19 B 4317	*L.O.V.E./Face the Music	Nat King Cole	8.49
19 B 4318	*Love You/Spanish Eyes	Al Martino	8.49
19 B 4320	All the Way	Frank Sinatra	5.89
19 B 4321	*Nice 'n' Easy	Frank Sinatra	8.49
19 B 4323	Strangers in the Night	Frank Sinatra	5.89
19 B 4324	September of My Years	Frank Sinatra	5.89
19 B 4408	*At the Sands	Sinatra/Basie	8.49
19 B 4409	Sinatra/Jolbin	Sinatra/Jolbin	5.89
19 B 4325	Cha Cha de Amor	Dean Martin	5.89
19 B 4326	Everybody Loves Somebody	Dean Martin	5.89
19 B 4327	*Somewhere/Someone	Dean Martin	5.89
19 B 4407	Dino	Dean Martin	5.89
19 B 4328	At P.J.'s	Trini Lopez	5.89
19 B 4329	Trini	Trini Lopez	5.89

STANDARD AND TEEN GROUP FAVORITES

19 B 4339	The Monkees	The Monkees	5.89
19 B 4340	Out of Our Heads	Rolling Stones	5.89
19 B 4341	Big Hits	Rolling Stones	5.89
19 B 4342	In Concert	Beach Boys	5.89
19 B 4343	I Hear a Symphony	Supremes	5.89
19 B 4417	Where Did Our Love Go	Supremes	5.89
19 B 4344	Rubber Soul	The Beatles	5.89
19 B 4346	*Yesterday and Today	The Beatles	8.49
19 B 4347	*A New Song for Young Love	The Lettermen	8.49
19 B 4410	Portrait of My Love	The Lettermen	5.89
19 B 4411	*Hit Sounds/More Hit Sounds	The Lettermen	8.49
19 B 4348	Peter Paul and Mary	Peter Paul & Mary	5.89
19 B 4349	Movin'	Peter Paul & Mary	5.89
19 B 4350	Just Like Us	P. Revere/Raiders	6.78
19 B 4414	Spirit of 1967	P. Revere/Raiders	6.78
19 B 4413	*Kind of a Hush/No Milk Today	Herman's Hermits	5.89
19 B 4415	If You Can Believe Your Eyes	Mamas and Papas	5.89
19 B 4416	The Mamas and Papas	Mamas and Papas	5.89
19 B 4418	At the Whiskey A-Go-Go	Johnny Rivers	5.89
19 B 4419	Ventures A-Go-Go	The Ventures	5.89

4-Track Stereo Tape Cartridges (Shpg. wt., 4 oz.)

Stock No.	Title	Artist	E.A.
19 B 4351	Lonely Bull	Tijuana Brass	4.98
19 B 4352	Whipped Cream and Others	Tijuana Brass	4.98
19 B 4353	S.R.O.	Tijuana Brass	4.98
19 B 4420	Sounds Like the Tijuana Brass	Tijuana Brass	4.98
19 B 4355	Hang On Ramsey	Ramsey Lewis	4.98
19 B 4356	Out of Our Heads	Rolling Stones	4.98
19 B 4357	Big Hits	Rolling Stones	4.98
19 B 4421	Got Live If You Want It	Rolling Stones	4.98
19 B 4422	Between the Buttons	Rolling Stones	4.98
19 B 4358	Meet the Supremes	Supremes	5.98
19 B 4359	I Hear a Symphony	Supremes	5.98
19 B 4360	In the Wind	Peter Paul & Mary	4.98
19 B 4361	Winchester Cathedral	New Vaudeville	4.98

Stock No.	Title	Artist	E.A.
19 B 4363	Everybody Loves Somebody	Dean Martin	4.98
19 B 4367	Strangers in the Night	Frank Sinatra	4.98
19 B 4370	Five	Joan Baez	4.98
19 B 4375	Film Spectacular III	Stanley Black	5.98
19 B 4379	Far Away Places	Bert Kaempfert	5.98
19 B 4380	Golden Millions	Billy Vaughn	4.98
19 B 4381	Moon Over Naples	Billy Vaughn	4.98
19 B 4382	Autumn Leaves	Roger Williams	4.98
19 B 4383	Genius of Jankowski	Mamas and Papas	4.98
19 B 4423	Mamas and Papas	Mamas and Papas	4.98
19 B 4424	If You Can Believe Your Eyes	Mamas and Papas	4.98
19 B 4425	Best of the Beach Boys	Beach Boys	4.98
19 B 4426	Revolver	The Beatles	4.98

A Small Monthly Payment Brings You Anything Allied Sells

ALLIED 115

ALLIED Presents 19 Pages of Tape Recorder Values

Presenting the finest, most complete selection of tape recorders available anywhere. Each has been approved by Allied's own Quality Control Dept. for performance and reliability. Recorders are grouped in categories, such as monaural-AC units, battery portables, stereo recorders, and tape decks for music systems.

Choose from These Top-Quality Brands
 ALLIED AIWA AMPEX CONCERTONE CONCORD
 CRAIG CROWN NORESCO PANASONIC ROBERTS
 SONY TELMAR UHER VIKING WOLLENSAK

AMERICA'S BEST SELECTION

OF HI-FI STEREO RECORDERS

Starting on this page, you'll find ten pages of great values in STEREO tape recorders and decks. You can enjoy the thrilling extra dimension of stereophonic sound by recording and playing back your own tapes, or by playing pre-recorded commercial stereo tapes. Using microphones, you can make hi-fi stereo recordings of plays, concerts, recitals, or family fun. Or you can build up a valuable musical library by taping stereo FM broadcasts. Record and play monaural tapes too. Most stereo recorders are compact for easy portability—use them wherever AC power is available.

Sensational New ALLIED Stereo Tape Recorder



Loaded With Deluxe Features for Operating Convenience

Handy Speed-Selector Knob

7" Reel Capacity



Digital Counter and Two Level Meters

Front-Panel Headphone Output

Fold-Down Panel Conceals Controls, Mike Inputs

New Allied 1040 Solid-State Stereo Tape Recorder

\$169⁹⁵

\$9 monthly

- Instant-Stop Feature Lets You "Edit As You Go"
- Capstan Drive—Operates at 7½, 3¾ or 1½ ips
- Detachable Speakers Separate for Best Stereo Effect

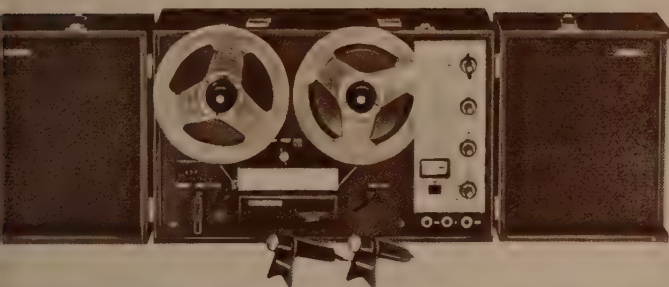
All-new! Allied's own solid-state stereo tape recorder boasting many deluxe features at a surprisingly low price. Records and plays 4-track stereo and mono at 7½, 3¾ and 1½ ips. Detachable speakers and 10-watt transistor amplifier for full-range stereo playback. Single control for rewind, stop, play, instant stop, fast forward. Fold-down panel conceals recording controls, record interlock and inputs, for smart appearance and easy accessibility. Two large, professional-type VU meters.

Digital counter with fast push-to-reset. Automatic tape lifters protect heads during rewind. Volume and tone controls for each channel. Automatic shutoff. Inputs: 2 mike, 2 aux. Outputs: preamp for use as deck, headphones, 2 ext. speakers. Response: 30-18,000 Hz at 7½ ips. Flutter-and-Wow: less than 0.15% at 7½ ips. Portable case, 13½x18½x9½". 115 VAC. With take-up reel, two mikes, patch cords. From Japan. Shpg. wt., 34 lbs.
 15 B 7104 U. \$9 Monthly.....

169.95

Stereo Tape Recorder Values

DELUXE WORLD-FAMOUS RECORDERS



Concord 600 Solid-State Stereo Recorder

\$179⁵⁰

**\$9
monthly**

- Records and Plays Stereo and Mono
- Pause Lever for Easy Cuing, Editing
- Built-In 10-Watt Solid-State Amplifier

State-of-the-art stereo tape recorder features detachable wide-range speaker enclosures for excellent stereo realism. Records and plays 4-track stereo and mono at $7\frac{1}{2}$, $3\frac{3}{4}$ and $1\frac{1}{8}$ ips. VU meter, digital counter, volume and tone controls for each channel. Pause lever. Built-in 10-watt stereo amplifier. Response: 50-15,000 Hz at $7\frac{1}{2}$ ips. Signal-to-Noise Ratio: 45 dB. Flutter and Wow: 0.20% at $7\frac{1}{2}$ ips. Inputs: 2 mike, 2 radio/phonos. Outputs: stereo headphones, external amplifier. Operates horizontally or vertically. With 2 mikes, stands, 7" takeup reel, patch cords. 10x18x10". 115 VAC. Japan. 37 lbs.

15 B 7278 U. \$9 Monthly..... **179.50**



Panasonic RS-760S Solid-State Recorder

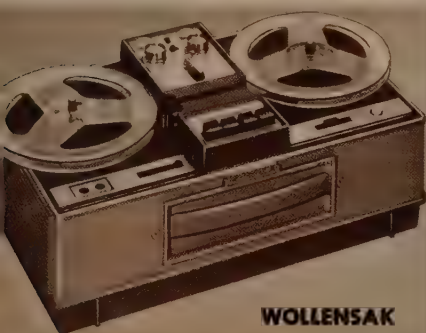
\$159⁹⁵

**\$8
monthly**

- Sound-on-Sound, Trans-a-Track
- Two Built-In 6x4" Speakers for Stereo
- Automatic Shutoff at End of Tape Play

Professional-looking solid-state recorder records and plays 4-track stereo and mono at $7\frac{1}{2}$, $3\frac{3}{4}$ and $1\frac{1}{8}$ ips. Features include sound-on-sound and Trans-a-Track for special effects. Direct monitoring, two large VU meters, pause control for editing, automatic shutoff. Two built-in 6x4" speakers for stereo play. Response, 60-15,000 Hz at $7\frac{1}{2}$ ips. Flutter and Wow: 0.25% at $7\frac{1}{2}$ ips. Inputs: 2 mike, 2 radio/phonos. Outputs: Preamps, external speaker. With 2 mikes, 7" reel of tape, 7" takeup reel, splicing tape, patch cords. 14x14 $\frac{1}{2}$ x7 $\frac{1}{8}$ ". For 110-120 volts, 60 Hz AC. From Japan. 22 lbs.

15 B 7224 U. \$8 Monthly..... **159.95**



WOLLENSAK

5730 Solid-State Stereo Recorder

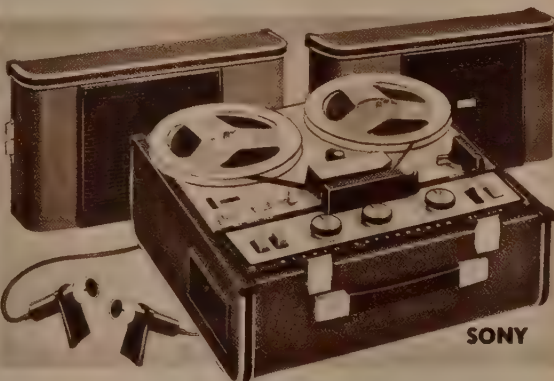
\$199⁹⁵

**\$10
monthly**

- Convenient Central-Control Panel
- Automatic Head Demagnetization
- 3 Speeds for Every Recording Use

Loaded with deluxe features. Records and plays 4-track stereo or mono at $7\frac{1}{2}$, $3\frac{3}{4}$ and $1\frac{1}{8}$ ips. Central-control panel for easy operation. Pause control and digital counter. Two VU meters. Automatic tape lifters protect heads from wear during rewind and fast forward. Self-adjusting brakes; automatic head demagnetization; monitor; automatic shutoff. Built-in 6x4" speakers. Response, 40-17,000 Hz at $7\frac{1}{2}$ ips. Inputs: 2 mike, 2 phono/radio/TV. Outputs: Preamps, extension speakers. 10x16x7". With one mike, 7" reel of tape, 7" takeup reel. For 110-120 volts, 60 Hz AC. Shpg. wt., 24 lbs.

15 B 7340 K. \$10 Monthly..... **199.95**



SONY

200 Solid-State Stereo Recorder

\$179⁵⁰

**\$9
monthly**

- Sound-on-Sound for Special Effects
- Speakers Separate Up to 15 Feet
- Pause Control and Digital Counter

Records and plays 4-track stereo or mono at $7\frac{1}{2}$ and $3\frac{3}{4}$ ips. Two-section carrying cover separates to form two full-range systems. Interchannel transfer (sound-on-sound) for multiple track and special effects. Automatic tape lifter protects heads from wear. Pause control, digital counter, two level meters. Response, 50-15,000 Hz at $7\frac{1}{2}$ ips. Flutter and Wow, less than 0.19% at $7\frac{1}{2}$ ips. Inputs: 2 mike, 2 high-level radio/phonos/TV. Outputs: 2 Preamp, 2 external speaker, stereo headset. 9x15x16". With two mikes, 7" takeup reel. For 110-120 V, 60 Hz AC. From Japan. Shpg. wt., 37 lbs.

15 B 7007 U. \$9 Monthly..... **179.50**

Selected Top-Quality Tape Recorders

NEW!



(A) ROBERTS
Model 1720
\$199⁹⁵
\$10 monthly

NEW!

SONY
230
Stereo
Compact

\$219⁵⁰
\$11 monthly



(B)



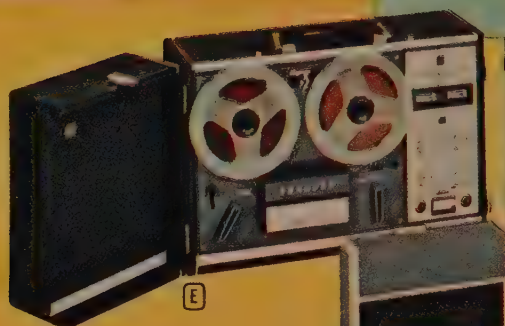
(C)

WOLLENSAK
Model 5740
\$229⁹⁵
\$12 monthly



(D)

CONCORD
Model 727
\$249⁵⁰
\$13 monthly



(E)

CONCORD
Model 776
\$299⁵⁰
\$15 monthly

SONY
Model 530
\$299⁵⁰
\$15 monthly



(F)



Finest Stereo Tape Recorders

BEST SELECTION AVAILABLE ANYWHERE

A New Roberts 1720 Solid-State Stereo Tape Recorder

World renowned Roberts quality in a complete stereo tape recorder. Records and plays 4-track stereo and mono at $7\frac{1}{2}$ or $3\frac{3}{4}$ ips. Packed with deluxe features for convenience and superior recording. Detachable speakers separate for outstanding stereo. Built-in head demagnetizer, pause lever, large easy to read VU meters, digital counter, automatic shutoff. Response, 40-5,000 Hz at $7\frac{1}{2}$ ips. Wow and Flutter, less than 0.25% at $7\frac{1}{2}$ ips. Inputs: 2 mike, 2 radio/phone. Outputs: Preamp, external speaker, stereo headphone. Vinyl covered case, $15\frac{1}{2} \times 14\frac{1}{2} \times 10\frac{1}{2}$ ". With 7" takeup reel, 2 mikes. For 110-120 volts, 60 Hz AC. Shpg. wt., 26 lbs.

5 B 7113 K. \$10 Monthly. 199.95

B New Sony 230 "Stereo Compact" Tape System

Complete portable 4-track stereo record and play tape system with solid-state stereo control center with 20-watt stereo power amplifier. Inputs for magnetic phono, tuner or tape deck to play through the 230's amplifier and speaker system. Split-lid speakers separate up to 15 feet. Tape lifter, digital counter, VU meters, 3 speeds. Controls on front panel. Response: 30-18,000 Hz at $7\frac{1}{2}$ ips. Wow and Flutter: less than 0.1% at $7\frac{1}{2}$ ips. Inputs: 2 mike, stereo magnetic phono, 2 aux. Outputs: preamp, ext. speaker, stereo headphone. Vinyl case, brushed aluminum trim. $15\frac{1}{2} \times 13\frac{1}{2} \times 7\frac{1}{2}$ ". With 2 dynamic mikes, 7" takeup reel. For 115 VAC. From Japan.

5 B 7369 X. Shpg. wt., 36 lbs. \$11 Monthly. 219.50

5 B 7370 X. 230CPW. Above, in deluxe oiled walnut case, 46 lbs. 269.00

C Wollensak 5740 Solid-State Stereo Tape Recorder

Brings you taped stereo sound with thrilling realism. Records and plays 4-track stereo or mono at $7\frac{1}{2}$, $3\frac{3}{4}$ and $1\frac{1}{2}$ ips. Wing enclosures with 6" speakers separate up to 9 feet. Deluxe features include: central control panel, automatic tape lifters, self-adjusting brakes, automatic head demagnetization, pause control, digital counter, automatic shutoff. Response, 40-17,000 Hz at $7\frac{1}{2}$ ips. Wow and Flutter, less than 0.25% at $7\frac{1}{2}$ ips. Inputs: 2 mike, 2 radio/phone. Outputs: Preamp, extension speaker, stereo headphone. With one mike, 7" reel of tape, $10\frac{1}{2} \times 19\frac{1}{2} \times 10\frac{1}{2}$ ". 110-120 V, 60 Hz. AC.

5 B 7341 K. Shpg. wt., 39 lbs. \$12 Monthly. 229.95

5 B 7400 K. Model 5750. Above, in finished hardwood, 39 lbs. 249.95

5 B 7046. Extra Mike. Wt., 3 lbs. 13.50

D Concord 727 Solid-State Stereo Recorder

Features solid-mahogany styling, built-in 15-watt stereo amplifier, and detachable speakers that separate for thrilling stereo realism. Records and plays 4-track stereo and mono at $7\frac{1}{2}$ and $3\frac{3}{4}$ ips. Automatic tape lifter protects heads during rewind and fast forward. Digital tape counter, two VU meters, automatic shutoff. Can be used horizontally or vertically. Response: 30-20,000 Hz at $7\frac{1}{2}$ ips. Wow and Flutter: less than 0.15% at $7\frac{1}{2}$ ips. Inputs: 2 mike, 2 radio/phone. Outputs: preamp, extension speakers, stereo headphone. Mahogany, leatherette, and brushed stainless steel. $13\frac{1}{2} \times 20\frac{1}{2} \times 13\frac{1}{2}$ ". With 2 mikes, mike stands, patch cords, 7" takeup reel. For 115 volts, 60 Hz AC. From Japan. Shpg. wt., 35 lbs.

5 B 7093 U. \$13 Monthly. 249.50

E Concord 776 Stereo Recorder with Reverse-A-Track

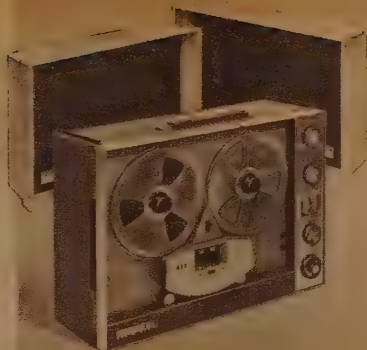
Records and plays in both directions, then shuts off automatically. Eliminates need for reel turnover and rethreading. Beautiful mahogany styling. Enjoy up to six hours of uninterrupted music. Records and plays 4-track stereo or mono at $7\frac{1}{2}$ and $3\frac{3}{4}$ ips. Detachable speakers and built-in 15-watt stereo solid-state amplifier. Other features: automatic tape lifter, digital counter, 2 VU meters. Response, 30-20,000 Hz at $7\frac{1}{2}$ ips. Wow and Flutter, less than 0.15% at $7\frac{1}{2}$ ips. Inputs: 2 mike, 2 radio/phone. Outputs: preamp, extension speaker, stereo headphone. Leatherette and brushed stainless steel trim. $13\frac{1}{2} \times 20\frac{1}{2} \times 13\frac{1}{2}$ ". With 2 mikes, 2 stands, 2 patch cords, 7" takeup reel. For 115 VAC. From Japan. Wt., 40 lbs.

5 B 7092 U. \$15 Monthly. 299.50

F Sony 530 Solid-State Stereo Recorder

Powerful 40-watt amplifier and quadraphical high-fidelity speaker systems with woofers, in case and tweeters in detachable covers. Records and plays 4-track stereo or mono at $7\frac{1}{2}$, $3\frac{3}{4}$ and $1\frac{1}{2}$ ips. Retracting pinch roller for easier threading. Automatic tape lifter protects heads. Two illuminated VU meters. Pause control and digital counter for precise editing, cueing. Automatic shutoff. Operates vertically or horizontally. Response, 30-18,000 Hz at $7\frac{1}{2}$ ips. Wow and Flutter, 0.1% at $7\frac{1}{2}$ ips. Inputs: 2 mike, 2 radio/phone. Outputs: Preamp, extension speaker. $15\frac{1}{2} \times 19\frac{1}{2} \times 10\frac{1}{2}$ ". With two dynamic microphones, patch cord, 7" takeup reel. For 110-120 volts, 60 Hz AC. From Japan. Shpg. wt., 51 lbs.

5 B 7236 Z. \$15 Monthly. 299.50



AMPEX

861 Solid-State Recorder

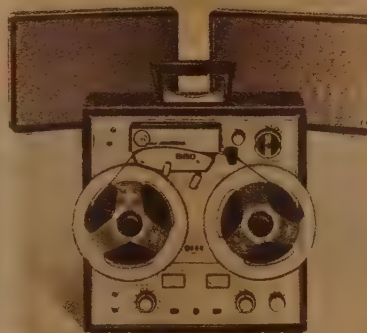
\$299.95

\$15 monthly

- Deep-Gap Heads
- Dual Capstan Drive
- Safety Record Lock

Famous Ampex quality. Records and plays 4-track stereo or mono at $7\frac{1}{2}$, $3\frac{3}{4}$ and $1\frac{1}{2}$ ips. Wing units with 9x6" speakers separate up to 30 feet, close to form cover. Precision features: deep-gap heads, automatic lifters, push-pull bass attenuator. Response: 15-15,000 Hz at $7\frac{1}{2}$ ips. Full complement of inputs and outputs. Aluminum frame construction. $19\frac{1}{2} \times 13\frac{1}{2} \times 7\frac{1}{2}$ ". With 2 mikes, 7" takeup reel. For 115 V, 60 Hz AC. 48 lbs.

15 B 7502 U. \$16 Monthly. 299.95



VIKING

880 "StereoCompact" Recorder

\$369.95

\$17 monthly

- 3 Hyperbolic Heads
- Solid-State Circuit
- Edit-Eze Head Cover

Deluxe recorder with monitoring, sound-on-sound, pause control, automatic tape lifters and automatic shutoff. Boasts separate record, play and erase heads. Solid-state 10-watt amplifier and 2 woofer/tweeter speaker systems that separate up to 15 feet for best stereo sound. 2 VU meters. Records and plays 4-track stereo or mono at $7\frac{1}{2}$ or $3\frac{3}{4}$ ips. Response, 30-18,000 Hz at $7\frac{1}{2}$ ips. Inputs: 2 hi-2 mikes, 2 phono/radio. Outputs: Preamps, speakers, stereo headset. $14\frac{1}{2} \times 21\frac{1}{2} \times 9\frac{1}{2}$ ". 115 VAC. 48 lbs.

15 B 7403 U. \$17 Monthly. 369.95

You Need No Cash . . . Take Up to Two Years to Pay

ALLIED 119

Latest Top-of-the-Line Stereo Recorders



PANASONIC

\$299⁹⁵

\$15 monthly

NEW!

RS-780S "Impresario" Reversing Recorder

Precision recorder designed to please the most discriminating musical tastes. Impressively styled, yet completely functional wooden cabinet insures maximum resonance for superb stereo sound. The two swing-out speaker enclosures feature perfectly matched woofers and tweeters. Records and plays 4-track stereo at 1½, 3¼ and 7½ ips, with fully automatic reversing at the end of each reel for continuous operation. Reliable solid-state circuit provides 8 watts of music power output on each channel. 4-digit counter for precise timing; "cue" button for dubbing. Reel Capacity: 7". With 2 pencil-type mikes. 15½x16¾x11½". For 110-120 V, 60 Hz AC. Japan. 41 lbs.

15 B 7155 Z. \$16 Monthly.....**299.95**



ROBERTS

\$359⁹⁵

\$17 monthly

770X Cross-Field Head Recorder

Three-speed stereo recorder gives wide-range response even at 1½ ips... actually 40-12,000 Hz! Response is 40-16,000 Hz at 3¼ ips and 40-20,000 Hz at 7½ ips. Exclusive Cross-Field Head, with separate bias supply increases bass response one full octave at all speeds. Four-track stereo and mono record/play, plus 2-track stereo playback. Instant stop for editing; 2 VU meters; digital counter; automatic shut-off; built-in speakers. Records sound-on-sound, sound-with-sound. Hysteresis motor. Reel Cap.: 7". Flutter/Wow under 0.15% at 7½ ips. Signal/Noise: 55 dB 20½x13¾x11". With 2 dynamic mikes. For 105-125 V, 60 Hz AC. From Japan.

15 B 7378 U. 49 lbs. \$17 Monthly.....**359.95**



AMPEX

\$399⁹⁵

\$18 monthly

1161A Reversing Stereo Recorder

Solid-state portable loads in seconds... threads itself automatically... plays a complete 4-track stereo tape without reel changing or rewinding. Reverses electronically and shuts off automatically at end of program, or can repeat indefinitely. Speeds: 7½, 3¼ and 1½ ips. Dual capstan drive and rigid suspension for perfect tape-head alignment. Slide-on speaker enclosures can be separated up to 20 feet. Deep-gap heads; 2 VU meters; digital counter; automatic cuing; monitor; manual reverse. Reel Cap.: 7". Response: +4 dB, 50-15,000 Hz at 7½ ips. Flutter/Wow: 0.15% at 7½ ips. Signal/Noise: 46 dB. Less mikes. 13½x19x7½". 115 V, 60 Hz AC. Wt., 50 lbs.

15 B 7264 U. \$18 Monthly.....**399.95**



SONY

\$399⁵⁰

\$18 monthly

560 ESP "Stereo Compact" Tape System

You get a complete 4-track portable tape system featuring Sony "ESP" automatic reverse... with built-in solid state stereo control center for connecting a variety of external components. 20-watt amplifier has inputs and switching for magnetic phono, tuner and tape deck. Full range speaker systems mounted in lids can be separated 15 feet for outstanding stereo performance. Records and plays at 7½, 3¼ and 1½ ips. Servocontrol motor, dual capstan drive, retracting pinch roller; automatic shut-off. Digital counter; phone jack; 2 VU meters; 2 mikes; Left/Right/Stereo switch. Reel Cap.: 7". Operates vert. or horizontally. 17½x21x11". 110-120 V, 60 Hz. Japan. 53 lbs.

15 B 7304 U. \$18 Monthly.....**399.50**

Professional-Type Stereo Tape Recorders



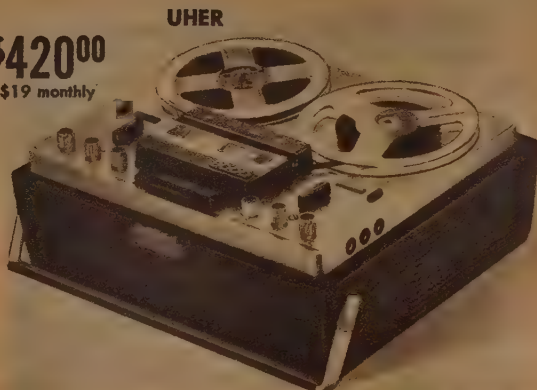
ROBERTS **\$499⁹⁵**
\$21 monthly

7000RX Auto-Reversing Stereo Recorder

Deluxe solid-state recorder has features and performance to satisfy the most demanding recordist. "Computer Control" lets you program recorder to reverse automatically or shut off at a preselected time. Records and plays 4-track stereo and mono at $7\frac{1}{2}$, $3\frac{3}{4}$ and $1\frac{1}{2}$ ips. Records sound-with-sound for special effects. Cross-Field head for smooth response, 20-20,000 Hz at $7\frac{1}{2}$ ips. Hysteresis-synchronous motor. Signal/Noise: -45 dB. Flutter/Wow: 0.1% at $7\frac{1}{2}$ ips. Self-contained speakers, 15-watt peak-power-per-channel amplifier, Digital counter. With 7" empty reel. Less mikes. $15\frac{1}{2} \times 16\frac{1}{2} \times 10\frac{3}{4}$ ". For 110-120 V, 60 Hz AC. Shipped express. Japan. 45 lbs.

15 B 7381 Z. \$21 Monthly **499.95**

\$420⁰⁰
\$19 monthly



8000E Stereo Recorder with "Dia-Pilot"

Professional solid-state portable features "Dia-pilot" for synchronization with slide projector or displays. Records and plays 4-track stereo and mono at 4 speeds: $15\frac{1}{16}$, $1\frac{1}{8}$, $3\frac{3}{4}$, $7\frac{1}{2}$ ips. Built-in 5×7 " wide-range speakers for playback anywhere. Three long-life, narrow-gap heads permit monitoring, recording sound-on-sound, echo and reverb. Pushbutton controls; 4-digit counter; 2 VU meters; volume, balance, tone controls; pause control for easy editing. Response: 50-20,000 Hz at $7\frac{1}{2}$ ips; 50-16,000 Hz at $3\frac{3}{4}$ ips. Flutter/Wow: 0.15% at $7\frac{1}{2}$ ips. With mikes, 7" reel. Reinforced wood case, $7 \times 16 \times 14\frac{1}{2}$ ". For 117 V, 60 Hz AC. West Germany, 26 lbs.

15 B 7430 K. \$19 Monthly **420.00**



ROBERTS **\$699⁹⁵**
\$29 monthly

5000X 10 1/2" Reel Stereo Recorder

Records and plays 4-track stereo or mono, on up to $10\frac{1}{2}$ " reels. Three separate motors. Separate record and play heads permit monitoring, sound-over-sound, and echo. Cross-Field head provides extra-wide response of ± 3 dB, 25-20,000 Hz at $7\frac{1}{2}$ ips. Built-in speakers for stereo play. Pushbutton controls. No belt-hysteresis motor directly drives capstan. No pressure pads—longer head life. 2 VU meters, digital counter. Inputs: 2 hi-Z mike, 2 phono/radio. Outputs: 2 equalized preamp, external speakers, stereo headset. Speeds: $7\frac{1}{2}$ and $3\frac{3}{4}$ ips. Size, $15\frac{1}{2} \times 16\frac{1}{2} \times 9\frac{3}{4}$ ". For 110-125 volts, 60 Hz AC. Less mikes. From Japan. Shpg. wt., 70 lbs.

15 B 7088 Z. \$29 Monthly **699.95**



AMPEX **\$599⁹⁵** **\$25** monthly

985 Stereo Tape-FM/AM Music Center

Combines the excellence of an Ampeg automatic-reverse recorder with a stereo FM-AM receiver... in beautiful oiled walnut finish cabinet with disappearing doors. Receiver has stereo indicator, level indicator, AFC. Recorder operates at $7\frac{1}{2}$, $3\frac{3}{4}$ and $1\frac{1}{2}$ ips. Plays entire 4-track stereo tape without turning over reels. Long-life deep-gap heads; dual capstan drive for perfect head and tape contact; dual VU meters; automatic tape lifters; pause control; automatic shut-off. Phono inputs. Capacity: 7". Response: 50-15,000 Hz at $7\frac{1}{2}$ ips. Flutter/Wow: 0.15%. Order speakers below. Less mikes. $33 \times 16 \times 19\frac{1}{2}$ ". Wt., 53 lbs.

15 B 7084 Z. \$25 Monthly **599.95**
20 B 7374 U. Model 915 Speaker. 22 lbs. Each **69.95**

You Need No Cash . . . Take Up to Two Years to Pay

ALLIED 121

Extra-Value Solid-State Stereo Tape Decks



All-New **ALLIED** Solid-State Three-Speed Stereo Tape Deck

\$129⁹⁵

\$7 monthly

- Powerful Capacitor-Start Motor
- Five-Position Function Control
- Automatic Shutoff • Base Included

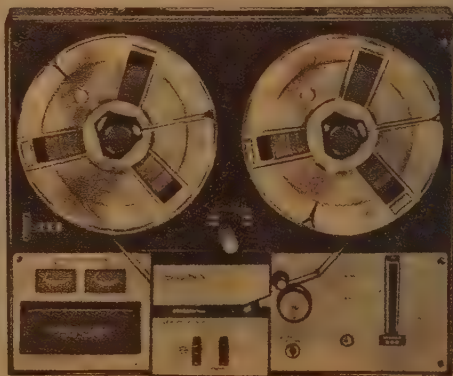
TD-1030. Allied's own stereo tape deck, with many deluxe extras, at a low, low price! Four-track stereo, mono record/play preamps for use with your stereo system or console. Also has built-in amplifier for stereo playback through hi-fi headphones. Deluxe features include: automatic tape lifters, push-to-reset digital counter, two level meters, convenient single-knob control for rewind, stop, play, instant stop, and fast forward. Takes 7" reel.

Fold-down panel conceals volume controls, record interlock and mike inputs. Speeds: $7\frac{1}{2}$, $3\frac{3}{4}$ and $1\frac{1}{2}$ ips. Response: 30-18,000 Hz at $7\frac{1}{2}$ ips. Flutter, Wow: less than 0.15% at $7\frac{1}{2}$ ips. Inputs: 2 mike, 2 aux. Outputs: preamp, stereo headphone. With wood base, 7" takeup reel, patch cord, dust cover. Size, $15\frac{1}{2} \times 13\frac{1}{2} \times 6\frac{3}{4}$ ". For 115 volts, 60 Hz AC. From Japan. Shpg. wt., 23 lbs.

15 B 7103 U. \$7 Monthly..... 129.95

Sony Solid-State Stereo Tape Decks

Record and Play 4-Track Stereo or Mono Tapes Through Stereo System or Console



250A "Stereorecorder" Tape Deck

\$135⁰⁰

\$7 monthly

- All Solid-State Circuits
- 50-15,000 Hz Response
- With Custom Walnut Base

Sony quality tape deck adds four-track stereo/mono record and play tape facilities to your stereo system or console. Ideal for making high-fidelity recordings from stereo FM, records, or live sources. Operates vertically or horizontally. Convenient single-knob selector for all recording and playback functions. Speeds: $7\frac{1}{2}$ and $3\frac{3}{4}$ ips. Illuminated VU meters. Automatic tape lifters prevent head wear during rewind and fast forward.

Digital counter permits you to select your favorite compositions anywhere on the tape. Automatic end-of-reel shutoff. Frequency Response: 50-15,000 Hz at $7\frac{1}{2}$ ips. Flutter and Wow: 0.15% at $7\frac{1}{2}$ ips. Inputs: 2 low-impedance mike, 2 aux. Outputs: preamp. Black and silver color panel. With custom walnut-veneer base. Size, $11\frac{1}{2} \times 14\frac{1}{4} \times 6\frac{1}{2}$ " deep. For 110-120 volts, 60 Hz AC. From Japan. Shpg. wt., 16 lbs.

15 B 7006 K. \$7 Monthly..... 135.00

Deluxe 350 Stereo Tape Deck

\$179⁵⁰

\$9 monthly

- 3 Heads • Monitoring, Sound-on-Sound
- Pause Control • Two VU Meters
- With Custom Walnut Base

Deluxe features for first-class performance. Record and play 4-track stereo or mono at $7\frac{1}{2}$ and $3\frac{3}{4}$ ips. Three-head design allows sound-on-sound and tape/source monitoring. Smooth, rim-drive capstan motor—no belts. Counter, automatic shutoff. Operates vertically or horizontally. Response, 50-15,000 Hz at $7\frac{1}{2}$ ips. Flutter and Wow, 0.19% at $7\frac{1}{2}$ ips. Inputs: 2 low-Z mike, 2 aux. Outputs: 2 line stereo headphone. With walnut finish wood base. $17\frac{1}{2} \times 12\frac{3}{16}$ ". 115 VAC. Japan.

15 B 7283 X. 18 lbs. \$9 Monthly..... 179.50

Model 350C. Portable version of above. $6\frac{1}{2} \times 18\frac{1}{2} \times 17$ ".

15 B 7284 X. Shpg. wt., 20 lbs. \$11 Monthly..... 205.00

Great Selection of Stereo Tape Decks

Solid-State

\$149⁰⁰

\$8 monthly

Pushbutton
Operation



Uher 7000D 4-Track Stereo Tape Deck

Deluxe tape deck records 4-track stereo and mono with true-to-life fidelity. Plays back through your stereo system or console. Pushbutton controls. VU meters for accurate recording level settings. Automatic end-of-reel shutoff. $7\frac{1}{2}$ and $3\frac{3}{4}$ ips. Advanced solid-state design. Response: 40-15,000 Hz at $7\frac{1}{2}$ ips. Flutter and Wow: 0.2% at $7\frac{1}{2}$ ips. $1\frac{1}{2}$ x $13\frac{1}{2}$ x 7". With wood base, 7" takeup reel. For 117 V, 60 Hz AC. From West Germany. 24 lbs. **\$149.00**
 B 7429 U. \$8 Monthly. Each 9.76



3-Speed
Stereo Deck

\$169⁹⁵

\$8 monthly

With Custom
Walnut Base



Concord 501D Solid-State Stereo Tape Deck

Record stereo from any source for playback with your music system **\$139⁵⁰**
 \$7 monthly

- 3-Speed Operation— $7\frac{1}{2}$, $3\frac{3}{4}$ and $1\frac{1}{2}$ ips
- Two Large VU Meters • Pause Control
- Recording Controls Concealed by Fold-Down Panel

Exciting stereo tape deck lets you enjoy the thrilling sound of stereo tapes through your music system or console. Records and plays 4-track stereo or mono at $7\frac{1}{2}$ and $3\frac{3}{4}$ ips. Recording controls and inputs are concealed behind a fold-down panel. Pause control and digital counter simplify editing. Two large VU meters indicate the exact recording level for perfect results every time. Many more deluxe features. Response, 50-15,000 Hz at $7\frac{1}{2}$ ips. Flutter and Wow, 0.25% at $7\frac{1}{2}$ ips. Inputs: 2 mike, 2 radio/phone. Outputs: Preamp, stereo headphone. Wood base, black and silver panel. $12\frac{1}{4}$ x $14\frac{1}{2}$ x $4\frac{3}{4}$ ". 115 V, 60 Hz AC. From Japan. **\$139.50**
 15 B 7291 U. Shpg. wt., 20 lbs. \$7 Monthly.

For a complete selection of microphones
see pages 194-197 and 199

Concertone 302 Stereo Tape Deck

Records 4-track stereo and mono tape recording and playback your stereo system or console. Perfect for playing recorded commercial tapes. Speeds: $7\frac{1}{2}$, $3\frac{3}{4}$ and $1\frac{1}{2}$ ips. Features include: Pause control, automatic tape lifters to protect heads from wear, two VU meters, digital counter for easy indexing and editing. Response, 30-15,000 Hz at $7\frac{1}{2}$ ips. Flutter and Wow, 0.15% at $7\frac{1}{2}$ ips. For vertical horizontal operation. With custom walnut base, 7" takeup reel. $12\frac{1}{2}$ x 9". For 115 V, 60 Hz AC. **\$169.95**
 B 7299 K. From Japan. 19 lbs. \$8 Monthly.

Roberts 1721 Solid-State Stereo Tape Deck

- Built-In Head Demagnetizer
- Automatic Shutoff at End of Tape
- Pause Control and Digital Counter

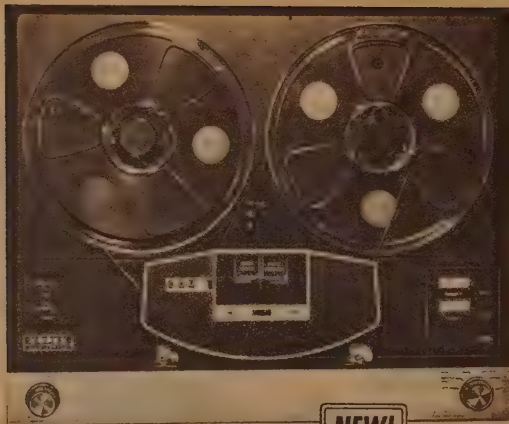
\$159⁹⁵

\$8 monthly

Professional-quality stereo tape deck adds superb taped stereo to your music system. Record and play 4-track stereo or mono tapes at $7\frac{1}{2}$ and $3\frac{3}{4}$ ips. Operates in vertical or horizontal position. Dual VU meters indicate recording level for perfect results. Pause control and digital counter for editing and indexing. Volume and tone controls for each channel. Automatic shutoff at end of tape. Response, 40-15,000 Hz at $7\frac{1}{2}$ ips. Flutter and Wow, less than 0.25% at $7\frac{1}{2}$ ips. Inputs: 2 mike, 2 radio/phone. Outputs: Preamp, stereo headphone. $15\frac{1}{8}$ x $14\frac{1}{2}$ x $6\frac{1}{2}$ ". With 7" takeup reel. 115 V, 60 Hz AC. **\$159.95**
 B 7372 K. Wt., 19 lbs. \$8 Monthly.



See Allied's Credit Fund Plan to Add a Tape Deck to Your System



NEW!

Ampex 750 Solid-State Stereo Tape Deck

\$199⁵⁰

Famous Ampex Professional
Quality and Deluxe Features
At Moderate Cost

\$10 monthly

- Silicon-Transistor Preamp • Interlocked Controls
- Long-Life Deep Gap Heads • Dual Capstan Drive

Precision deck records and plays 4-track stereo and mono at $7\frac{1}{2}$, $3\frac{3}{4}$ and $1\frac{1}{2}$ ips. Superb performance with any stereo system. Long-life deep gap heads. Dual capstan drive—no pressure pads. Automatic tape lifters; digital counter; automatic shutoff; two VU meters; safety record lock. Full array of inputs and outputs. Response: 15-14,500 Hz at $7\frac{1}{2}$ ips; 50-7500 Hz at $3\frac{3}{4}$ ips. Flutter/Wow: 0.15% at $7\frac{1}{2}$ ips. Signal/Noise: 46 dB. $13\frac{1}{2} \times 16\frac{1}{2}$ 7 $\frac{1}{2}$ " For 115 volts, 60 Hz AC. Order case, mikes below.

Shpg. wt., 19 lbs.
15 B 7387 X. \$10 Monthly..... 199.50
15 B 7256. Dynamic Mike. Wt., $1\frac{1}{2}$ lbs..... Each 29.95
15 B 7257 X. Wood Case. Wt., $1\frac{1}{2}$ lbs..... 35.95

Deluxe Quality Solid-State Stereo Tape Decks



NEW!

Wollensak 5720 Solid-State Stereo Deck

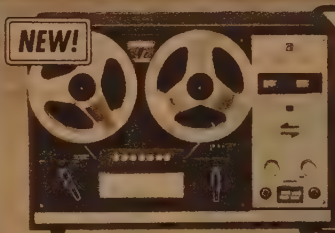
\$189⁹⁵

\$10 monthly

Has 6-Watt Amplifier—
Connects Directly to Speakers

Features a built-in six-watt stereo amplifier for connecting deck directly to speakers. Two VU meters; digital tape counter; automatic head demagnetization; tape lifters. Inputs: 2 mike, 2 phono-radio. Outputs: 2 speaker, 2 preamp. $7\frac{1}{2}$, $3\frac{3}{4}$, $1\frac{1}{2}$ ips. 40-17,000 Hz at $7\frac{1}{2}$ ips. Volume, tone controls. $10\frac{1}{2} \times 16\frac{1}{2}$ 7 $\frac{1}{2}$ " Order mikes below. For 115 VAC.

15 B 7115 X. Wt., 21 lbs. \$10 Monthly..... 189.95
15 B 7040. Dynamic Mike. Wt., 3 lbs..... Each 13.50



NEW!

Reverses, Plays
Other Track
Automatically!

\$239⁵⁰

\$12 monthly

Concord Reverse-A-Track Stereo Deck

Offers convenience of stereo recording and playback in both directions without troublesome reel turnover and re-threading. Four professional-quality flux-reel heads in Concord's new double head enclosures. Solid-state. Two VU meters; automatic shutoff. Plays back through amplifiers and speakers of any high-fidelity system. $7\frac{1}{2}$ and $3\frac{3}{4}$ ips. Response: 30-20,000 Hz at $7\frac{1}{2}$ ips. Wow and Flutter: under .15% at $7\frac{1}{2}$ ips. Signal-to-Noise ratio: better than 50 dB. Inputs: 2 mike, Hi-Z aux. Output: high impedance. With 7" takeup reel. Order mikes below. $13\frac{1}{2} \times 20\frac{1}{2}$ 7 $\frac{1}{2}$ " For 110-120 VAC. From Japan.

15 B 7321 X. Wt., 29 $\frac{1}{2}$ lbs. \$12 Monthly..... 239.50
15 B 7040. Dynamic Mike. Wt., 3 lbs..... Each 14.95



Roberts 1740X Solid-State Stereo Tape Deck

\$279⁰⁰

\$14 monthly

Has Exclusive Cross-Field Head for
Wide Response at ALL Tape Speeds

- Exclusive Cross-Field Head for 30-22,000 Hz Response at $7\frac{1}{2}$ ips
- 2-Speed Hysteresis-Synchronous Motor • Tape Dust Eliminator
- Shuts Off Automatically at End of Tape • Two VU Meters

Add this deck to your stereo system or console for complete four track stereo and mono taping functions. Solid-state circuit let you start recording the instant you turn it on. Exclusive Cross-Field head for wide-response recording even at low speeds. Speeds: $7\frac{1}{2}$, $3\frac{3}{4}$ and $1\frac{1}{2}$ ips. Frequency response: 30-22,000 Hz at $7\frac{1}{2}$ ips. Signal-to-noise ratio: 45 dB. Flutter and Wow: 0.18% at $7\frac{1}{2}$ ips. Three-digit tape counter. Hysteresis-synchronous motor. Operates vertically or horizontally. With 7" takeup reel. Size: $13\frac{1}{2} \times 13\frac{1}{2} \times 9$ ". Order mikes below. For 110-120 V, 60 Hz AC. From Japan. Shpg. wt., 30 lbs.

15 B 7380 U. \$14 Monthly..... 279.00
15 B 7297. Mike. Use two for stereo. Wt., 2 lbs..... Each 29.95

Price Slashed on Uher 9000 Solid-State Stereo Deck

Save **\$300⁰⁰** Was **\$400.00**
\$100.00 \$15 monthly

- Solid-State • 3 Heads . . . Monitoring, Sound-on-Sound
- Stereo Headphone Monitor Jack • Automatic Shutoff

Super-deluxe! Records 4-track stereo and mono from all sources for playback through your stereo system or console. Separate record, play and erase heads permit direct monitoring. Head cover removable for easy editing. Two VU meters; instant-reset of playback head for fine azimuth alignment. Hysteresis-synchronous drive motor. Frequency response ± 2 dB, 40-20,000 Hz at $7\frac{1}{2}$ ips; 20-15,000 Hz at $3\frac{3}{4}$ ips. Wow/Flutter, 0.1 at $7\frac{1}{2}$ ips. $15\frac{3}{4} \times 6\frac{1}{4} \times 13"$. Order mikes below. For 117 VAC. From West Germany. 27 lbs.

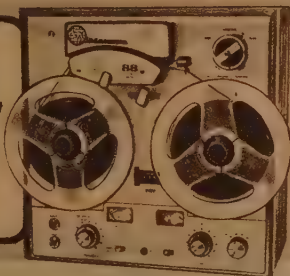
15 B 7433 U. \$15 Monthly. 300.00
 12 B 7095 R. Dynamic Mike. Wt., 2 lbs. Each 9.76



Professional-Quality Stereo Tape Decks

- Sound on Sound
- Monitoring Output

\$288⁹⁶
 \$15 monthly



NEW!

- Automatic Reverse
- And Shutoff

\$299⁵⁰
 \$15 monthly



Viking 88-RMQ Stereo-Compact Tape Deck

New Sony 560 E.S.P. Solid-State Stereo Deck

Features to satisfy the most discriminating music lover. Records 4-track stereo and mono, plays back through your music system. Three heads and independent playback preamps for tape monitoring and sound-on-sound. Dual VU meters, automatic stop switch, digital counter, multiplex filter. Response: ± 3 dB, 30-18,000 Hz at $7\frac{1}{2}$ ips; 30-12,000 Hz at $3\frac{3}{4}$ ips. Flutter/Wow: under 0.2% at $7\frac{1}{2}$ ips. S/N: 55 dB. $13\frac{1}{2} \times 6\frac{1}{4}"$. Order base below. For 110-120 V, 60 Hz AC. Less mikes. Shpg. wt., 25 lbs.

15 B 7401 U. \$15 Monthly. 288.96
 15 B 7397. Walnut Base. Shpg. wt., 10 lbs. 16.11

Unique new solid-state deck records and plays 4-track stereo or mono in both directions—E.S.P. feature reverses tape without any sensing tapes or pulses. Dual capstan drive system with Sony "Retractable" pinch roller, "Servocontrol" motor. Two VU meters; digital tape counter. Automatic sentinel shut-off after tape has made complete reverse cycle. Speeds: $7\frac{1}{2}$, $3\frac{3}{4}$, $1\frac{1}{2}$ ips. Operates vertically or horizontally. Response: ± 3 dB, 30-18,000 Hz at $7\frac{1}{2}$ ips. $15\frac{1}{2} \times 16 \times 6\frac{1}{2}"$. Mike below. 115 VAC. From Japan. 29 lbs.

15 B 7049 X. \$15 Monthly. 299.50
 15 B 7046. Dynamic Mike. Wt., 1 lb. Each 10.50

Roberts Model 5000 Broadcast Series Stereo Deck

Broadcast Quality,
 Meets NAB Standards

\$599⁹⁵
 \$25 monthly

- Enjoy Over 4 Hours of 4-Track Stereo on One $10\frac{1}{2}"$ Reel of Tape
- Hysteresis-Synchronous Drive Motor
- Four Heads
- VU Meter
- No Pressure Pads to Cut Head Life
- Records Sound-Over-Sound

Excellent as primary equipment in a radio station or as husky unit for your home stereo system. Meets NAB standards. Has 4 heads for monitoring and sound-over-sound; Cross-Field head for wide response. Three motors including hysteresis synchronous drive motor. Piano key controls. Direct capstan drive. Digital tape counter. VU meter. Takes up to $10\frac{1}{2}"$ reels. Mike and line inputs. Speeds: $7\frac{1}{2}$, $3\frac{3}{4}$ ips. Response: ± 3 dB, 25-22,000 Hz at $7\frac{1}{2}$ ips; ± 3 dB, 30-17,000 Hz at $3\frac{3}{4}$ ips. S/N ratio better than 50 dB. $16 \times 16 \times 18"$. Order mikes below. For operation from 110-120 volts, 60 Hz AC. From Japan. Shpg. wt., 68 lbs.

15 B 7383 K. \$25 Monthly. 599.95
 15 B 7297. Dynamic Mike. Wt., 2 lbs. 29.95



Enjoy It Now! Pay Later with Allied's Credit Fund Plan

ALLIED 125

ALLIED Presents . .

AC-powered monaural recorders. For taping music, radio-TV shows, speeches, plays, family fun, many other uses.

AIWA CONCORD PANASONIC
SONY WOLLENSAK



Low In Price,
High In Quality!

- Compact Solid-State Design
- Big 10x2 1/2" Built-in Speaker
- Full 7" Reel Capacity

Mono AC Recorders

CHOOSE FROM TOP-QUALITY BRANDS

Concord 102 Low-Cost Recorder

\$59⁵⁰
\$5 monthly

With Mike,
7" Reel, Cord,
and Earphone

A compact all-transistor monaural recorder with big-recorder capacity . . . at a price that can't be beat! Handles up to 7" reels. Two-track operation at 7 1/2 and 3 3/4 ips. Big 10x2 1/2" built-in speaker delivers crystal-clear wide-range sound.

Features easily accessible controls, plus level indicator for perfect recording by anyone. Output jack included for earphone or an extension speaker. Compact portable case with carrying handle, only 5 1/2x12 1/2x11".

Comes complete and ready for use, with microphone, earphone, patch cord and 7" takeup reel. For operation from 110-120 volts, 60 Hz AC. From Japan. Shpg. wt., 9 lbs.
15 B 7495 X. \$6 Monthly . . . \$59.50

NEW!



PANASONIC

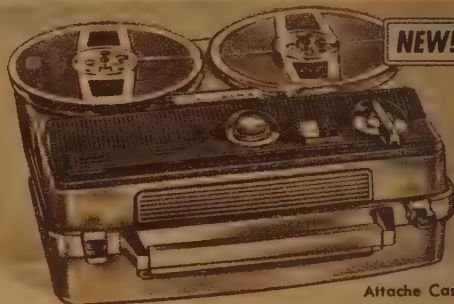
\$99⁹⁵
\$5 monthly

RQ-706S Solid-State Recorder

Boasts audio quality and features of much more expensive recorders. Three-position switch selects Automatic Level Control for overload-free recording, manual level control, or sound monitoring for using recorder as a PA system. Has two built-in double-cone speakers.

Push-to-reset tape counter. VU meter. Pause control. Tone control. Full 7" reel capacity. Records and plays at 1 1/8, 3 3/4, 7 1/2 ips. Response: 50-15,000 Hz at 7 1/2 ips. With mike and stand. 12x14x6 3/4". For 110-120 volts, 60 Hz AC. From Japan. 19 lbs.
15 B 7259 X. \$6 Monthly . . . \$99.95

NEW!



Attache Case

Aiwa TP-802 "Impressario" Recorder

\$89⁹⁵
\$5 monthly

- 7 1/2 and 3 3/4 ips Speeds
- Full 7" Reel Capacity
- Wide-Range Response

Improved version of one of Allied's best selling recorders for exceptionally fine-quality recording of speech or music. Records from any source—FM, phono, TV—plus "live" performances using the dynamic mike. Plays back through built-in 6" oval speaker, earphone, your hi-fi system, or external speaker. Single 7" reel gives over 6 1/2 hours recording time, using both tracks at 3 3/4 ips. Also operates at 7 1/2 ips with wide response of 70-15,000 Hz. Constant speed capstan drive.

Other features include: record level meter; digital counter instant-action controls; pushbutton fast forward; tone control. Vinyl-coated steel case, 6x14x14". With remote-start stop mike, earphone, 7" takeup reel, reel of patchtape cords, accessory pouch. For 110-120 volts, 60 Hz AC. From Japan. Shpg. wt., 25 lbs.
15 B 7258 K. \$6 Monthly . . . \$89.95

7" Reel Solid-State Tape Recorders

MODELS TO FIT EVERY BUDGET

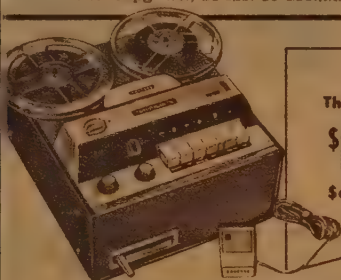
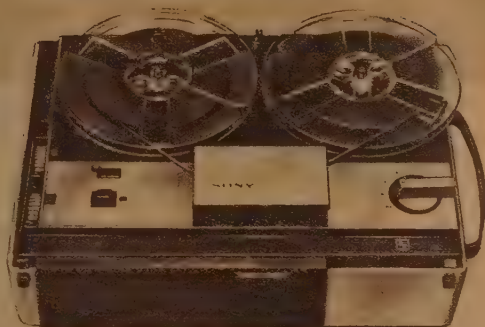
Sony "Sonymatic" 104 Recorder

- Solid-State Circuit with Full 10-Watt Output
- Three Speeds • Automatic Recording Level
- Tape Lifters • Retracting Pinch Roller

\$109⁵⁰

\$6 monthly

Quality record/play back on 2 tracks at $7\frac{1}{2}$, $3\frac{3}{4}$ and $1\frac{1}{8}$ ips. Automatic level control banishes "overload" distortion. Retracting pinch roller for easy threading. Tape lifters, end-of-reel shutoff, pause control, digital counter. Built-in speaker; switch for PA, monitoring. 40-18,000 Hz at $7\frac{1}{2}$ ips. S/N, 46 dB. Aux. input. $16\frac{1}{2} \times 10\frac{1}{4} \times 1\frac{1}{2}$ ". With mike, 7" takeup reel, earphone. 115 V, 60 Hz AC. Japan. 15 B 7235 K. Shpg. wt., 21 lbs. \$6 Monthly. 109.50



Three-Speed

\$119⁵⁰

\$6 monthly

Concord Deluxe 220 Recorder

Advanced solid-state 3-speed portable that's loaded with features. Pushbutton controls, level and tone controls, "magic-eye" indicator, counter, speaker, radio-phonograph input. Vari-synch motor maintains constant speed at $7\frac{1}{2}$, $3\frac{3}{4}$ and $1\frac{1}{8}$ ips. $7\frac{1}{2} \times 12 \times 13$ ". Response 40-15,000 Hz at $7\frac{1}{2}$ ips. With mike, earphone, 7" takeup reel, patch cord. For 115 V, 60 Hz AC. Japan. Wt., 34 lbs. 15 B 7317 K. \$6 Monthly. 119.50

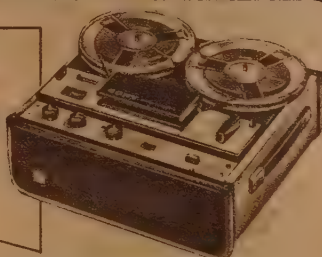
4-Track Mono

\$139⁵⁰

\$7 monthly

Sony Solid-State 105 with AVC

Four tracks for double recording time. Retractable pinch roller for easy threading, and Automatic Volume Control. Speeds: $7\frac{1}{2}$, $3\frac{3}{4}$ and $1\frac{1}{8}$ ips. Four-track heads, separate record/play level controls. Automatic shutoff, tone control, AVC defeat, VU meter, instant-stop, digital tape counter. 40-18,000 Hz. $6 \times 14 \times 8$ ". With mike, earphone. For 105-125 V, 60 Hz AC. From Japan. Wt. 12 lbs. 15 B 7287 X. \$7 Monthly. 139.50



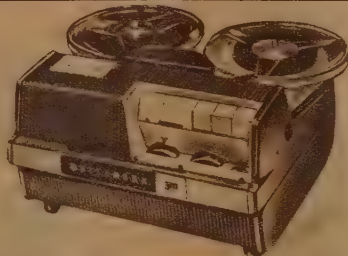
Wollensak 5710 Solid-State Recorder

- Pushbutton Control Center
- 40-17,000 Hz Response • 3 Speeds
- Tape Lifter • Pause Control

\$159⁹⁵

\$8 monthly

Deluxe solid-state portable has all the features you could want in a two-track mono recorder! Operates vertically or horizontally. "Control Center" puts power-activated pushbuttons within a handspan. $7\frac{1}{2}$, $3\frac{3}{4}$, $1\frac{1}{8}$ ips. Response 40-17,000 Hz at $7\frac{1}{2}$ ips. Level meter, pause control, counter, automatic shutoff, tape lifter, head demagnetization, monitor, reel locks. Built-in 6×4 " speaker. $10 \times 16 \times 7$ ". With mike, 7" reel of tape, self-threading take-up reel. 110-120 V, 60 Hz AC. 15 B 7041 K. Wt., 23 lbs. \$8 Monthly. 159.95



Wollensak 1500SS Solid-State Recorder

- Powerful 10-Watt Output
- True High-Fidelity Performance
- Sturdy All-Metal Construction

\$184⁹⁵

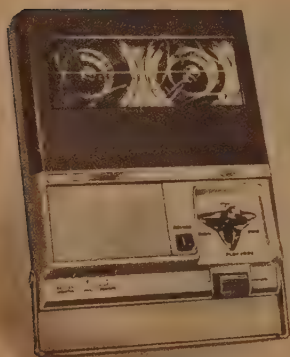
\$10 monthly

Improved, all-transistor version of the famous 1500. Simple keyboard operation, with record level indicator and provision for monitoring and PA use. Digital counter; tone control; tape lifters; 10-watt push-pull solid-state amplifier. Response, 40-15,000 Hz at $7\frac{1}{2}$ ips; also operates at $3\frac{3}{4}$ ips. S/N, better than 48 dB. Inputs: mike/phonograph. Outputs: extension speaker, preamp. $6\frac{1}{2} \times 10\frac{1}{4} \times 1\frac{1}{2}$ ". With dynamic mike, 7" takeup reel, reel of tape. For 110-120 volts, 60 Hz AC. 15 B 7339 X. Wt., 20 lbs. \$10 Monthly. 184.95

Get Your Recorder with No Money Down on Allied's Credit Fund Plan

ALLIED 127

Portable Tape Recorders for Every Budget



CRAIG



CONCORD



PANASONIC

212 2-Speed Mono Recorder

\$37⁹⁵

- Precise Capstan Drive
- Automatic Level Control Circuit

\$5 monthly

Solid-state, battery-powered recorder has constant-speed capstan drive for flawless mon. voice recordings. Automatic Level Control prevents distortion from loud sounds. Single "T" control for record, play, stop, rewind, fast forward. Record safety lock. AC-bias recording system. Speeds: 1½ and 3¾ ips. 4x2½" speaker; external-speaker jack. Window lets you see amount of tape on reels. Uses 3¾" reels. Remote mike, 1 tape. Order 6 "C" batts. below. 3¾x7½x9¾".

15 B 7280 X. Japan. 5 lbs. **37.95**
18 B 5865. "C" Batt. 4 oz. Pkg. 2/33¢

F-85 "Sound Camera" Recorder

\$39⁵⁰

- Weighs Only 2 Lbs.
- Take It Anywhere
- Dynamic Microphone

\$5 monthly

This recorder makes high-quality voice recordings, yet it's as small as many cameras. Solid-state circuit, advanced head design. Capstan drive permits playback on other 1½ ips 2-track recorders. Easy pushbutton controls. Built-in speaker, outputs for earphone or external speaker, record level-battery indicator. 7x5x3". With dynamic mike, strap, 2¾" (300') tape and reel. Order 4 "C" batteries below.

15 B 7222. S Japan. 3 lbs. **39.50**
15 B 7112. Extra Tape. 1 hr. 4 oz. 1.19
15 B 5865. "C" Batt. 4 oz. Pkg. 2/33¢
15 B 7099. AC Adapter. 9 oz. 9.95

RQ-102S Battery/AC Recorder

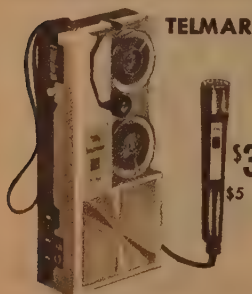
\$49⁹⁵

- 2-Speed Capstan Drive
- Built-in AC Adapter
- Easy-Matic Circuit

\$5 monthly

Distinctive solid-state recorder gives fine monaural recordings from batteries or AC power. Exclusive "Sure Power" feature—batteries take over automatically if AC power should fail. Easy-Matic circuit prevents overload distortion. Constant-speed capstan drive operates at 1½ or 3¾ ips for voice or music recording. Simple single-lever control, remote microphone. Record/Battery Level meter. AC bias. Takes 3¾" reel. With 6 "C" batteries. 3x9½x8½". U.L. Listed. From Japan. Shpg. wt., 4½ lbs.

15 B 7157 X. \$5 Monthly. **49.95**



TELMAR

\$39⁹⁵

\$5 monthly

T-100 Mono "Pocketcorder"

Ultraminiature recorder for on-the-spot taping. Records and plays 80 minutes at 1½ ips with fast-load, pre-threaded 1½" reel. Inverse propulsion maintains battery power. Capstan drive; built-in speaker. With remote mike, earphone, leather case, pocket file with three 80-minute tapes, 4 penlight batteries. 7½x3½x1½". From Japan. Shpg. wt., 6 lbs.

15 B 7425 X. \$5 Monthly. **39.95**

SONY



\$69⁵⁰

\$5 monthly

900A Battery/AC Recorder

Operates from batteries or regular AC. Automatic Level Control prevents overload distortion. Capstan drive and response of 90-9500 Hz at 3¾ ips for good music recordings; 1½ ips for speech. Automatic tape lifter protects heads. Takes 3¾" reel. 3¾x8¾x8¾". With remote mike, lid, 4 "D" batteries. Japan. Wt., 10 lbs.

15 B 7300 XS. \$5 Monthly. **69.50**
15 B 7286. Voice-Actuated Mike. 17.50

CONCORD

\$69⁵⁰

\$5 monthly



F-90 "Radiocorder" Combo

Two-speed mono recorder with solid-state AM radio. Record your favorite music on tape, while you listen to it on the built-in radio. Plays from batteries or regular AC. Radio and recorder can be used separately. 1½ and 3¾ ips. Pushbutton controls. 3¾" reels. Level/battery meter. 4x8½x9". With remote-control mike. 5 "C" batteries. Japan.

15 B 7022 X. Wt., 7 lbs. **69.50**

Battery/AC Tape Recorders



\$84⁹⁵
\$5 monthly

AIWA

TP-705 Deluxe Recorder

Dual-track mono recorder has constant-speed capstan drive, solid-state circuit. Records and plays at 1½ or 3¾ ips, from batteries or AC. 7 transistors, 3 diodes, thermistor for 1-watt output; 4x2¾" speaker. Pushbutton controls. AVC prevents overload distortion. Tone control. Auxiliary input. Level/Battery meter. 3-digit counter. 5" reels. 3½x10½x12". Remote-control mike, earphone, two 5" reels, tape, splicing tape, batteries. From Japan. Wt., 12 lbs.

15 B 7272 X. \$5 Monthly... **84.95**

AIWA 2-Track Battery/AC Portable Recorders

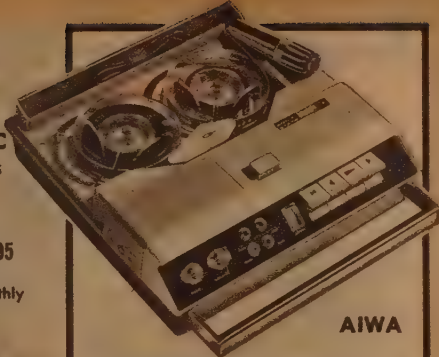
\$69⁹⁵
\$5 monthly



TP-713 Recorder

Instant-playing solid-state recorder plays from four "D" batteries or AC line. Constant-speed capstan drive, 1½ and 3¾ ips. Uses 7 transistors, 5 diodes, thermistor. Pushbutton controls; AVC; tone control; Record Level/Battery meter. Auxiliary input for recording from radio or phono. Takes 5" reels. 1.2-watt output; 4x2¾" speaker. 3-digit counter. 3x11½x12". With remote-control mike, earphone, tape, 5" reels, AC cord, batteries. Japan. 10 lbs.

15 B 7274 U. \$5 Monthly... **69.95**



AIWA

TP-716 Battery/AC Recorder

Save \$5.00 **\$399⁹⁵** \$5 monthly

- Constant-Speed Capstan Drive
- Automatic Recording Level
- Level Meter • Tone Control

Was \$44.95 Last Year. Special value in a solid-state recorder that operates from batteries or regular AC. Constant-speed capstan drive lets you exchange tapes with others for playback on any capstan driven 2-track mono recorder with 3¾ or 1½ ips speeds. Automatic Recording Level prevents distortion from loud sounds. AC-bias for extended response. 3¾" reels. Has fast-forward control, record-level indicator, input for recording from radio-TV-phono, tone control. 3x9½x9½". For batteries/110-120 V, 60 Hz AC. Remote-control start-stop mike, takeup reel, 4 batteries. From Japan. Shpg. wt., 6 lbs.

15 B 7528 X. \$5 Monthly... **39.95**



TELMAR AC/DC Mono Recorder

\$69⁹⁵
\$5 monthly

Plays From
Flashlight
Batteries,
12VDC, AC



NEW!

Two-Way Portable Recorder

\$99⁹⁵
\$5 monthly

Two-Direction Record
and Play System for
Continuous Operation
• Simply Flick Lever
to Reverse Direction.

555 3-Speed Battery/AC Recorder

One of our most versatile recorders! Operates from batteries, 12 volts DC, or 110-120 volts AC. Offers capstan drive at 1½, 3¾ and 7½ ips; 2-track heads; record-erase AC bias, solid-state circuit. Pushbutton controls; record-safety lock; VU meter; 3-digit index counter. Response: 60-14,000 Hz at 7½ ips. 3-watt audio output. Inputs for radio-phono, mike, telephone pickup. Luggage-style case with leatherette finish. 11½x10½x3½". With mike, batteries, 5" tape, takeup reel. From Japan. 13 lbs.

15 B 7426 U. \$5 Monthly... **69.95**

"The Bandleader" Recorder by PANASONIC

RQ-5015. Solid-state recorder for the serious tapist offering superb performance and trim, functional design. Plays from batteries or AC; if power fails, batteries take over automatically. Two-speed capstan drive: 3¾ and 1½ ips. Easy-Matic switch for distortion-free recording without adjusting level; turns off for full-fidelity recording. Can be used as PA system. Single-lever operation; VU/Battery indicator; 3-digit counter. Tone control, 3½" speaker. Takes 5" reel. 3½x11½x10". Mike, 6 "D" batts.

15 B 7153 X. Japan. Wt., 7 lbs. \$5 Monthly... **99.95**

Portable Battery/AC Monaural Tape Recorders

AIWA



Aiwa Deluxe 3-Speed Portable

\$119⁹⁵

- Plays on AC/DC/Car Battery
- Automatic Level Control
- Handsome Attache-Case Styling

\$6 monthly

TP-719. Full 7" reel capacity in a compact portable with a deluxe, lockable attache case. Features automatic level control for voice and music recordings free of distortion. Push-buttons for fast forward, rewind, and play. Capstan-controlled speeds: $7\frac{1}{2}$, $3\frac{3}{4}$, and $1\frac{1}{2}$ ips. Digital counter; tone control; record level meter. Input for recording direct from radio or TV. 5" oval speaker. $3\frac{3}{4} \times 1\frac{1}{2} \times 13"$. With remote-control start-stop mike, 4 batteries, 12-VDC car adapter. Operates on batteries or 110 V, 60 Hz AC. From Japan. Shpg. wt., 17 lbs.
15 B 7271 U. \$6 Monthly. **119.95**



CONCORD

Reversing Recorder

\$149⁵⁰

\$8 monthly

- Auto-Reverse
- Voice-Actuated



CONCERTONE

Hi-Fi Portable

\$139⁹⁵

\$7 monthly

- Four Speeds
- 7" Reel Capacity

350. Records to end of reel, automatically reverses and records other track in opposite direction. Voice-actuated Motor starts when mike picks up sound, stops when sound stops. Also remote start-stop mike operation. Tapes 6 hours continuously $3\frac{3}{4}$ and $1\frac{1}{2}$ ips. Cue button; level/batteries; 6" speaker. Earphone, sensing tape. Uses 4" reels. Batteries below. $11\frac{1}{2} \times 11 \times 4"$. Japan.
15 B 7129 X. Wt., 16 lbs. \$8 Monthly. **149.50**
18 B 5079. Batteries. (Uses 6.) 10 oz. Pkg. of 4 for 65¢
15 B 7137. AC Adapter. Shpg. wt., 2 lbs. **19.95**

700. Compact solid-state recorder offers high-fidelity recording and professional features. Plays from batteries or AC outlet. Separate record, play and erase heads. Built-in speaker. VU meter; pause control; digital counter. Speeds: $7\frac{1}{2}$, $3\frac{3}{4}$, $1\frac{1}{2}$ and $1\frac{1}{4}$ ips. Mike, line inputs. External speaker output. $12\frac{1}{2} \times 18\frac{1}{2} \times 5\frac{1}{2}"$. With remote-control mike, 7" takeup reel. For 115 VAC or 6 "D" batteries (order below). From Japan. Wt., 12 lbs.
15 B 7086 X. \$7 Monthly. **139.95**
18 B 5865. Batteries. (Uses 6.) 4 oz. Pkg. of 2 for 33¢

Model 860	Model 864
\$129⁵⁰	\$139⁵⁰
\$7 monthly	\$7 monthly



Sonymatic 860 Portable Recorder

High-quality portable tape recorder is loaded with deluxe features. "Servocontrol" motor electronically prevents variations in speed, maintains precise timing. Records and plays at $3\frac{3}{4}$ or $1\frac{1}{2}$ ips. Speeds are electrically switched. Automatic recording level control prevents distortion. Monitoring and PA provision. Level meter.

Recorder has easy-to-use pushbutton operation. Tone control. Digital counter. Input for radio, TV, telephone pickup. $12\frac{1}{2} \times 10\frac{1}{2} \times 4\frac{1}{4}"$. For batteries or 110-120 V, 60 Hz AC. With remote-control start/stop mike, 5" takeup reel, 8 "D" batts. From Japan. 15 lbs.
15 B 7072 X. \$7 Monthly. **129.50**

Sonymatic 864 4-Track Portable Tape Recorder. Monophonic recorder has 4-track heads for up to 8 hours of recording time from a reel. $3\frac{3}{4}$ or $1\frac{1}{2}$ ips. "Servocontrol" motor. Automatic recording control. Plays from 8 "D" batteries or AC. $12\frac{1}{2} \times 10\frac{1}{2} \times 4\frac{1}{4}"$. With remote control mike, 5" reel, batt.
15 B 7069X. From Japan 15 lbs. **139.50**

"Servocontrol" Motor
Prevents Variations in Speed
—Maintains Precise Timing

Professional-Quality Battery/AC Recorders

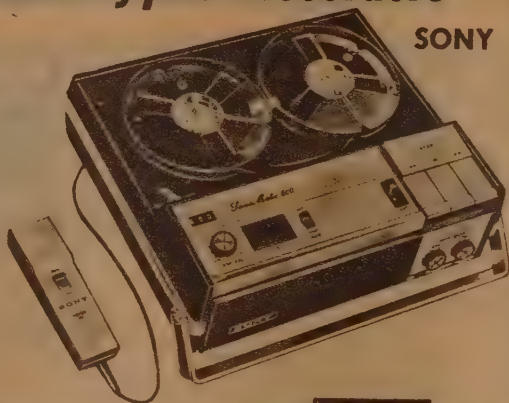
Sony "Servocontrol 800" Recorder

SONY

\$179.50

- Direct 3-Speed Capstan Drive
- Automatic Volume Control
- Takes 5" Reels • Battery/AC

\$9 monthly



Features direct capstan drive, plus servo-controlled motor to prevent speed variations. You get precision speed control at $7\frac{1}{2}$, $3\frac{3}{4}$ and $1\frac{1}{8}$ ips. Flutter and wow is only 0.15% at $7\frac{1}{2}$ ips for outstanding monaural reproduction. Automatic Volume Control for perfect recording level; also has manual control. Level/battery meter; digital counter; tone control; pushbutton controls. Response, 50-18,000 Hz at $7\frac{1}{2}$ ips. Radio-phonograph input. For batteries or 110 V, 60 Hz AC. 8 "D" batts. included. $4\frac{1}{2} \times 12\frac{1}{2} \times 10\frac{1}{2}$ ". With remote-control start-stop cardiod microphone. Japan. 15 lbs.

15 B 7413 X. \$9 Monthly. 179.50

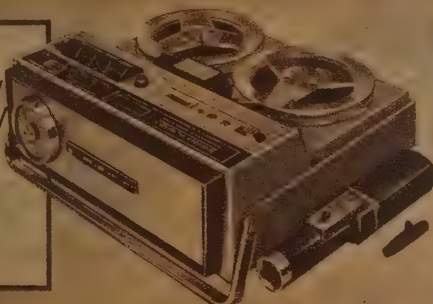
15 B 7414. Variable Speed and Pause Control. Slows playback speed for transcribing. 2 lbs. 9.95

CROWN

Recorder/
FM Radio/
Wireless
Mike

\$169.50

\$9 monthly



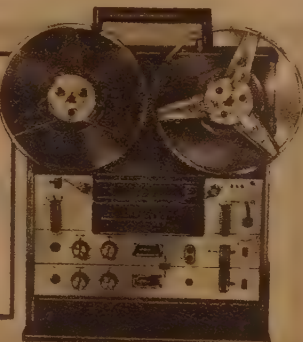
CONCERTONE

Stereo Hi-Fi
Portable

\$239.95

\$12 monthly

- Battery or AC
- Takes 7" Reels
- 4-Speeds



5950. This unique monaural recorder has a built-in FM radio and a wireless mike. Record from the radio, as you listen, or record from up to 50 ft. away with the wireless start-stop mike. (Conventional start-stop dynamic mike also included.) Automatic Level Control prevents distortion. Recorder doubles as PA amplifier. 5x3" speaker. Capstan drive at $3\frac{3}{4}$ and $1\frac{1}{8}$ ips. For batteries or 110 VAC. With 6 batteries, earphone, 5" reel of tape, telephone pickup. From Japan.

15 B 7391 X. Shpg. wt., 12 lbs. \$9 Monthly. 169.50

770. Full 7" reel capacity in a battery/AC 4-track solid-state stereo recorder. Separate record, play and erase heads. Built-in 2-way speaker systems for excellent stereo sound. Two VU meters; pause control; digital counter. Speeds: $7\frac{1}{2}$, $3\frac{3}{4}$, $1\frac{1}{8}$ and $1\frac{1}{4}$ ips. 50-16,500 Hz at $7\frac{1}{2}$ ips. Inputs: 2 mike, 2 line. $12\frac{1}{2} \times 18\frac{1}{2} \times 5\frac{1}{4}$ ". With one remote-control mike, 7" tape reel. For 115 VAC or 6 "D" batteries (order below). From Japan.

15 B 7085 X. Wt. 19 lbs. \$12 Monthly. 239.95
18 B 5865 R. Batteries. (Uses 6.) 4 ea. Pkg. of 2 for 33¢

Uher 4-Speed Professional Monaural Portable

UHER

NEW!

4000 L. Combines the qualities of finest AC-powered recorders with convenient portability of battery operation. Great for professional use by radio and TV commentators, reporters, or anyone who needs a first-quality portable. Has professionally calibrated VU meter, quiet high-frequency motor. Brushed aluminum piano-key controls for operating convenience. Rugged solid-state circuit provides instant, dependable operation. Operates in any position.

Built-in belt cleaning brushes. Exceptional frequency response of 40-22,000 Hz at $7\frac{1}{2}$ ips; 40-17,000 Hz at $3\frac{3}{4}$ ips; 40-10,000 Hz at $1\frac{1}{8}$ ips; 40-4500 Hz at $1\frac{1}{4}$ ips. Wow/Flutter, 0.15% at $7\frac{1}{2}$ ips. Operates from optional rechargeable "Dryfit" battery pack or optional 117 VAC adapter. $14 \times 14 \times 14$ ". Less mike. Order accessories below. West Germany. Shpg. wt., 20 lbs.

15 B 7512 X. \$16 Monthly. 310.00

Versatile Accessories for Uher 4000L

15 B 7509. Uher M-514 Remote Mike. 2 lbs. 50.00

15 B 7187 X. Leather Case. Shpg. wt., 1 lb. 30.00

15 B 7510. Rechargeable Battery Pack. 6 lbs. 20.00

15 B 7511. 880 AC Power Supply. Wt., 4 lbs. 30.00



\$310.00

\$15 monthly

- Widely Used In Radio and TV
- Tough—Built to Go Anywhere
- Rechargeable Battery

Order Your Recorder Now . . . No Money Down at Allied

ALLIED 131

Battery-Powered Cassette Tape Recorders



A

Aiwa 707
\$49⁵⁰
\$5 monthly



B

Norelco 150
\$69⁵⁰
\$5 monthly



C

Sony 100
\$99⁵⁰
\$5 monthly



NEW!

D

Sony TC-50
\$112⁵⁰
\$6 monthly



E

NEW!

Wollensak 4200
\$74⁹⁵
\$5 monthly



F

Stereo
System
\$129⁹⁵
\$7 monthly

A Aiwa Snap-O-Matic Recorder

TP-707PJ. Perfect for on-the-go recordings. Features simple and fast drop-in cassette loading. Records up to two hours (both tracks) at 1½ ips. Automatic shut-off at end of tape; easy pushbutton controls; level/battery meter; radio/phone input. Built-in speaker, plus extension speaker jack. 2½"x8x5¼". With remote start/stop microphone, tape cassette, earphone and 4 "C" batteries. From Japan. Shpg. wt., 3 lbs.

15 B 7308 S. \$5 Monthly.....49.50
15 B 7119. AC Adapter. 3 lbs.....7.95

B Norelco "Carry-Corder 150"

Makes amazingly clear voice and music recordings. Records up to an hour per easy-loading cartridge at 1½ ips (both tracks). Transistorized, runs for hours on flashlight batteries. Level meter for perfect recordings. Input for radio, output for amplifier. 7¾"x4½"x2¼". With carry case, sensitive remote mike, patch cord, tape cassette. Order batteries below. From Holland. Shpg. wt., 4 lbs.

15 B 7212 S. \$5 Monthly.....69.50
18 B 5865. Batt. Uses 5.....Pkg. 2/33¢
15 B 7215. AC Adapter. 1 lb.....19.90

C Sony 100 Battery/AC Recorder

Ultra-versatile cassette recorder for quality mono recordings of voice and music. Operates at 1½ ips. Built-in AC adapter for home use. Automatic level control eliminates distortion. Pushbutton controls, including lid-release and cassette ejector. Input for radio, TV. Level meter; tone control. 9½"x2½"x5½". With remote mike, case, tape cassette. For 115 VAC or 4 "C" batteries (included). Japan. Shpg. wt., 7 lbs.

15 B 7071 X. \$5 Monthly.....99.50
18 B 5078. Extra Batt. 4 oz.....Pkg. 2/33¢

D Sony TC-50 Cassette-Corder

The tiniest tape cassette recorder you can buy...small enough to fit in a coat pocket, but with performance comparable to the big models. Records and plays voice and music. Sonomatic automatic recording control for easy, perfect recording every time. Features separate built-in mike and a speaker, record level/battery meter, pushbutton controls. With snap-in battery pack, leather case, 4 "AA" batteries, and tape cassette. 7x3x1½".

15 B 7073 S. Japan. 2 lbs.....112.50

E Wollensak Cassette Recorder

4200. Miniature portable records and plays a full hour with easy-to-use tape cassette. Single 4-position switch controls all functions. Constant-speed capstan drive at 1½ ips, separate recording level and volume controls, record safety lock, VU/battery meter. Response, ±3 dB. 80-10,000 Hz. Flutter/Wow, 0.3%. With remote start/stop microphone, tape cassette, case, and 5 "C" batteries. Size, 4½"x7½"x2¼". From Holland. Shpg. wt., 4 lbs.

15 B 7349 S. \$5 Monthly.....74.95

F Stereo Tape System

Smallest stereo tape cassette system you can get! Records and plays mono and 4-track stereo, from batteries or AC. Loads instantly—plays back anywhere. Pushbutton controls; level and tone controls for each channel; 2 VU meters. Two 3x5" speakers in matching enclosures. Response, 65-8500 Hz. Speed, 1½ ips. Records from mikes, radio/phone/TV. With 2 start/stop mikes. For 117 VAC or batteries (included). 10¼"x14½"x4". Japan.

15 B 7078 X. Wt., 12 lbs.....129.95

Latest Home Cartridge Tape Decks and Players



A Panasonic
RS-800 US

\$79⁹⁵

\$5 monthly

NEW!



B Stereo-Dek 8

\$69⁹⁵

\$5 monthly



C Sony TC-8

\$99⁵⁰

\$5 monthly

NEW!



D

Built-In
30-Watt
Amplifier

AR Player

\$119⁹⁵

\$6 monthly



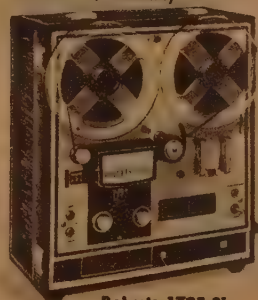
E Viking 811

\$169⁵⁰

\$9 monthly

NEW!

Built-In
Amplifier



F

Roberts 1725-8L

\$339⁹⁵

\$16 monthly

A Panasonic Tape Cartridge Deck

RS-800US. Automatic tape transport uses your present amplifier and speakers to play 8-track tape cartridges with full stereo fidelity. Includes solid-state preamplifier—simply plug in the 0.5-volt output to your stereo radio or amplifier. Plays a complete stereo tape program automatically, or you can change tracks manually at any point. Response, 50-12,000 Hz. Signal/Noise, 45 dB. Size, $4\frac{1}{2} \times 16\frac{1}{2} \times 8\frac{1}{2}$ ". For 117 volts, 60 Hz AC. From Japan. Shpg. wt., 11 lbs.

15 B 7209 X. \$5 Monthly. 79.50

B AR Home Cartridge Deck

Stereo-Dek "8" Deluxe solid-state transport plays 8-track tape cartridges through your present stereo music system. Features visual program indicator and self-contained AC power supply. 1-volt output matches equalization of pre-recorded cartridges for full-fidelity stereo sound. Plug into "Aux." flat-response input of amplifier. Frequency response, 50-15,000 Hz. Stylish walnut cabinet, $11 \times 9 \frac{1}{2} \times 4 \frac{1}{2}$ ". For 110-120 volts, 60 Hz AC. Shpg. wt., 12 lbs.

15 B 7436 U. \$5 Monthly. 69.95

C Sony Cartridge R/P Deck

TC-8. Solid-state 8-track deck lets you record and play stereo cartridges at home. Also plays pre-recorded cartridges. Uses the stereo amplifier and speakers you now have, for continuous tape programs without the bother of reel threading and changing. Response, 50-12,000 Hz. Flutter/Wow, less than 0.3%. Stereo headphone jack; automatic shut-off; visual channel indicator. Speed, $3\frac{3}{4}$ ips. $8\frac{1}{4} \times 11\frac{1}{4} \times 4\frac{1}{4}$ ". For 115 V, 60 Hz AC. Japan. Wt., 11 lbs.

15 B 7047 X. \$5 Monthly. 99.50

D AR 30-W. Stereo Cartridge Player

Complete home tape cartridge player by Automatic Radio, at an exciting low price. Just add a pair of speakers to play 4- or 8-track stereo cartridges. Serves as the heart of a complete music system, too—inputs for tuner and magnetic phono. Solid-state 30-watt stereo amplifier has full depth and realism. Volume, Tone, Balance controls; visual indicator. 50-15,000 Hz. Flutter/Wow under 0.2%. For 4-16 ohm spkrs. $6 \times 24 \times 12\frac{1}{2}$ ". 115 VAC.

15 B 7435 U. Wt., 20 lbs. 119.95

E Viking 811 Cartridge Player

Enjoy the luxury and convenience of an 8-track stereo tape cartridge system. Complete with amplifier and speakers. Solid-state circuit has five-watt per channel output of beautiful sound. Just insert cartridge—plays 4 stereo programs automatically, with visual program indicator. Response, 50-12,000 Hz. Flutter/Wow, 0.3%. Manual track selector. Walnut finish cabinet, $8\frac{1}{2} \times 15\frac{3}{4} \times 11$ ". For 115 V, 60 Hz AC. 14 lbs.

15 B 7150 X. \$9 Monthly. 169.50

F Roberts Complete Tape System

1725-8L. Feature-packed stereo tape recorder plays and records standard 4-track reel tapes and 8-track tape cartridges. Operates at $7\frac{1}{2}$, $3\frac{3}{4}$, and $1\frac{1}{2}$ ips. Precision VU meters; automatic end-of-reel shut-off; track selector switch; volume and tone controls for each channel. Two built-in 5×7 " speakers for impressive stereo sound. Operates horizontally, or vertically. 2 dynamic mikes, $7\frac{1}{2}$ " reel. Japan. 110-120 V, 60 Hz AC. 48 lbs.

15 B 7089 Z. \$16 Monthly. 339.95

Sony Videotape Recorders, Monitors, Camera



A
\$695.00

\$29 monthly

A Videocorder Deck

CV-2000D. Video tape recorder lets you tape directly off the air—or make your own tapes with camera outfit (below). Up to an hour on one 7" reel. Walnut case, 19 $\frac{3}{4}$ "x9 $\frac{7}{8}$ "x15 $\frac{1}{4}$ ". With tape, reel, connectors, head cleaning set. For 117 volts, 60 Hz AC. Japan. 46 lbs.

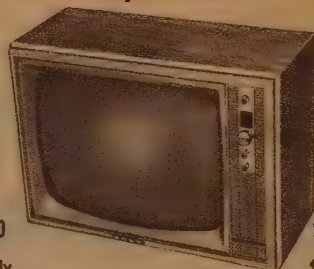
15 B 7678 U. \$29 Monthly. . . . 695.00

15 B 7685 U. Model CV-2000. As above, in portable case. Wt., 46 lbs. . . 730.00

B Video Camera Outfit

VCK-2000. Consists of: CVC-2000 Solid-State Vidicon Camera, Elevator Tripod, Dynamic Mike, 16.5-ft. Mike Cord, 10-ft. AC Line Cord. Camera records live action (with CV-2000D deck, above) in any illumination from room light to daylight. 25mm f/1.9 "C" lens. Cardioid mike has 230 ohms impedance. Custom-fitted case, 24 $\frac{3}{8}$ "x11 $\frac{5}{8}$ "x4 $\frac{7}{8}$ ". 117 VAC. Japan.

15 B 7687 U. \$17 Mo. 36 lbs. . . 350.00



C
\$295.00

\$15 monthly

C 22" Receiver/Monitor

CVM-2300U. 22" (diagonal) monitor serves as program source or playback screen and sound system with videocorder system. Also functions as VHF-UHF TV receiver. With VHF dipole, UHF loop antennas. 27 $\frac{1}{2}$ "x20 $\frac{1}{2}$ "x16". 117 V, 60 Hz AC. Japan.

15 B 7682 U. \$15 Mo. 70 lbs. . . 295.00

D 8" Receiver/Monitor

CVM-51UWP. Compact, solid-state monitor with 8" (diagonal) screen. Switch selects monitor or standard VHF-UHF TV reception. 9x10x8 $\frac{3}{4}$ ". VHF, UHF antennas. 117 V, 60 Hz AC. Japan. 10 lbs.

15 B 7680 U. \$10 Monthly. . . . 195.00

Sony Video Recording Tape

15 B 7698. V-30. 7" reel, 440-ft. Records for 10 min. Japan. 3 lbs. . . 7.48

15 B 7691. V-31. 7" reel, 1,240-ft. Records for 30 min. Japan. 5 lbs. . . 21.95

15 B 7679. V-32. 7" reel, 2,370-ft. Records for 1 hour. Japan. 10 lbs. . . 39.95



Camera-Mike Outfit
\$350.00
\$17 monthly

Ampex Videotape, CCTV Equipment



Recorder and Monitor
\$1795.00
\$13 monthly

VR-6175 Recorder with Monitor

- Includes TR-821 Receiver/Monitor
- Ideal for Closed Circuit TV Systems

Complete videotape recording outfit, for light commercial or home use. Consists of recorder mounted in handsome walnut case, and TR-821 21" (diagonal measurement) TV monitor (below). Recorder can drive up to 50 monitors at once. Stop-action feature. 7x14x8 $\frac{7}{8}$ ". 117 VAC. 88 lbs.

15 B 0026 L3U. . . . 1795.00

TR-821 21" Receiver/Monitor. All channel TV serves as program source or monitor for recording; picture screen and sound system for playback. 18x22x9". 117 VAC. 31 lbs.

15 B 7507 U. \$18 Monthly. . . . 260.00

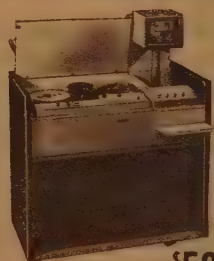


\$589.95
\$25 monthly

CC64-60 Camera Outfit

For use with Model VR-6175 recorder at left or other Ampex systems. Includes: Ampex Model 6400 Vidicon Camera, Heavy-Duty Tripod, 25-ft. Multi-Conductor Cable, Lens Tissue. Compact, solid-state camera has 25mm f/1.4 lens, automatic light compensation. 30x18x9". 117 VAC. 36 lbs.

15 B 7362. \$25 Monthly. . . . 589.95



\$5945.00

Closed-Circuit TV System

Includes: Ampex VR-7100 Videotape Recorder with VHF-UHF TV Tuner, Two 1-hr. Reels of Tape, 9" Monitor, Cardioid Mike, Vidicon TV Camera with 4 lenses, Tripod with Tilt Head, Switching Facility, Cables. In roll-around console. 45x44 $\frac{1}{2}$ "x23 $\frac{1}{2}$ ". For 110-130 V, 60 Hz AC. Truck or exp. 360 lbs.

15 B 7358 L. . . . 5945.00

Ampex Videotape

15 B 7359. 14730 Videotape. Records 30 minutes. 1240-ft. 5 lbs. . . . 44.95

15 B 7246. 14760 Videotape. Records 1 hour. 2480-ft. 12 lbs. . . . 59.95

Values in Recording Tape and Accessories

7" Reel 1200' 1½-Mil Acetate at Lowest Price Ever!

- 1½-mil Acetate Quality All-Purpose Recording Tape
- One 1200' Reel of Tape Plays Up to 8 hours at 1½ ips
- Special Oxide Formula Insures High-Fidelity Recordings

Low As **89¢** each
12-Up



Now Allied makes it possible for you to tape your valuable, irreplaceable record collection at exceptionally low cost. Durable 1½-mil extra-strong acetate tape is ideally suited for this purpose. Or, if you use your recorder for any of a thousand other reasons, you can use it more often and save money besides. Make a permanent record of family fun, the children's voices, classroom lectures, weddings, important business notes, or dictate an entire book. It's not only fun but inexpensive. One 1200' 7" reel of tape plays up to 8 hours at 1½ ips. Special oxide formula insures high-fidelity recording. Lubrication on tape reduces wear of expensive tape recorder heads. Uniform sensitivity throughout. High tensile strength reduces annoying, time-consuming and costly breaks. Shpg. wt., 1½ lbs.

15 B 8020. 1-11..... Each 99¢ 12-up..... Each 89¢

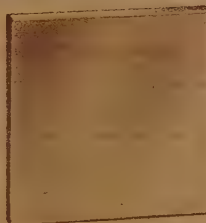
Popular Reel Sizes of Mylar Tape . . Low As 59¢ for 600-Ft. Reel

7", 5" and 3¼" reels of good quality magnetic tape at remarkably low cost. Temperature- and humidity-resistant for excellent performance under virtually all conditions. Splice-free—entire tape

is one continuous length. Special lubrication minimizes tape-head wear. High tensile strength reduces breaking. Oxide formula for excellent fidelity and uniform sensitivity.

CHOICE OF 3¼", 5" AND 7" REELS

Stock No.	Reel Size	Footage	Base	Wt., Lbs.	EACH	
					1-11	12-Up
15 B 8072	3¼"	600	½ mil	½	.69	.59
15 B 8073	5"	900	½ mil	¾	.78	.69
15 B 8074	7"	1800	1 mil	1½	1.49	1.35
15 B 8007	7"	2400	½ mil	2	2.99	2.69



Philip's-Type Recording Tape Cassettes

Philip's cassettes are used in the following tape recorders: Aiwa 707; Norelco 150; Concord F-100; Sony 100; Wollensak 4100, 4200; and any other tape recorder using the Philips Cassette System.

C-60 Low As
Cassette **\$175**

Type C-60. Records up to 60 minutes. Wt., ½ lb.
15 B 8272. 1-11..... Each 1.95
12-Up..... Each 1.75

C-90 Low As
Cassette **\$242**

Type C-90. Records up to 90 minutes. Wt., ¾ lb.
15 B 8273. 1-11..... Each 2.69
12-Up..... Each 2.42

C-120 Low As
Cassette **\$315**

Type C-120. Records up to 120 minutes. Wt., 1 lb.
15 B 8274. 1-11..... Each 3.49
12-Up..... Each 3.15

Care for Your Recorder with a Tape Care Kit



6-Piece Tape-Care Maintenance Kit

Get longer and better service from your tape recorder. Kit includes: H-4 Tape Splicer with plastic tape and unique curved cutting blades; ST-500 ½" Mylar Splicing Tape; HC-2 Tape-Head Cleaner; TI-1 Tape Reel Threader; TC-75 Tape Clips and TE-24 fully illustrated 24-page Tape Editing Booklet. Shpg. wt., 2 lbs.

15 B 8009.....2.49



Miniature Recorder Tape Care Kit

Specially selected items for the care of miniature portable tape recorders. Kit includes: three 300' Allied "260" ½-mil Polyester Tapes in Self-Mailing Containers; 3" Takeup Reel; Tape Splicer; 12 Tape Clips to prevent tapes from unwinding; 2-oz. Bottle Tape Head Cleaner; 100" Splicing Tape. Instruction book. Wt., 5 lbs.

15 B 8056.....4.95



A Robins HD-2 Tape-Head Demagnetizer. Removes tape head magnetism. Reduces hiss, improves S/N ratio, lengthens tape life. Improves tape fidelity. For 110-120 V, 60 Hz AC.
15 B 8418 S. Wt., 10 oz.....2.69

B Robins Bulk Tape Eraser. Reduces background noise level on recorded tape. Improves S/N ratio for higher fidelity. Demagnetizes guide posts, capstans, flywheels, 8mm sound film. For 117 VAC.
15 B 8419 S. Wt., 4 lbs.....10.49



ALLIED 260 RECORDING TAPE

HIGH FIDELITY (POLYESTER BASE)
1 MIL. • 50% MORE PLAYING TIME



New Allied "260" Tape

QUALITY TAPE FOR EVERY USE

WITH FEATURES USUALLY FOUND ONLY IN HIGHEST PRICED TAPE

- Continuous Length, Guaranteed Splice-Free Recording Tape
- Deep-Lubricated For Minimum Recorder Head Wear
- Full Frequency Response, with Low Signal-to-Noise Ratio
- Moisture and Heat Resistant for Consistently Good Sound

Guaranteed
Top-Quality
Recording Tape

Specially Processed to Give You Outstanding Recording and Listening Pleasure

Specially made Allied tape, designed for the serious recordist concerned with high-quality, high-fidelity performance. Made from the finest materials, using advanced manufacturing equipment to give you the best possible performance. Strict quality control standards are employed to produce a tape that is free of microscopic irregularities such as skew, edge burrs, feathered edges, shedding, cupping and curling. Gives the intimate head contact essential to full-range fidelity without excessive recorder head wear. Also offers a special deep-lubricant, an integral part of the tape coating itself, to further assure extended life of both tape and

recorder heads, plus smooth operation. The continuous length, splice-free material gives you a tape with exceptional strength and high resistance to adverse temperature and humidity conditions. High sensitivity lets you use lower recording speeds without loss of fidelity. Excellent recording from mike pickup. Superior signal-to-noise ratio makes it ideal for transcribing from pre-recorded tapes, records or tuner without loss of frequency response. Whatever your tape needs Allied tape offers the highest quality, from minimum print-thru $1\frac{1}{2}$ -mil to extended-play $\frac{1}{2}$ -mil, for the best in recording and listening pleasure.

Choose the Tape That Suits Your Needs From Allied's Wide Selection

- Deep Lubrication for Longer Tape Head Wear
- Excellent Frequency Response, with Uniform Output

- Each Reel Guaranteed Splice-Free for Uniform Quality
- Top-Performance Equal to Tapes Costing Much More

Outperforms tape costing much more—here's your best choice for general-purpose taping at minimum expense. Gives you excellent frequency response and low noise levels with uniform output. Made of tough polyester to take rough handling, resist heat, humidity, stretching and breaking except for $1\frac{1}{2}$ -mil acetate. †Tensilized polyester.

Stock No.	Reel Size (Inches)	Length (Feet)	Mil	Wt., Lbs.	EACH	
					1-11	12-Up
15 B 8740	3 $\frac{3}{4}$	600	0.5	$\frac{1}{2}$	.78	.69
15 B 8741	5	900	1.0	$\frac{3}{4}$	1.04	.93
15 B 8742	7	1200*	1.5	1	1.29	1.16
15 B 8743	7	1800	1.0	1 $\frac{1}{4}$	1.99	1.78
15 B 8744	7	2400†	0.5	1	3.19	2.89
15 B 8745	7	3600†	0.5	1	4.98	4.49

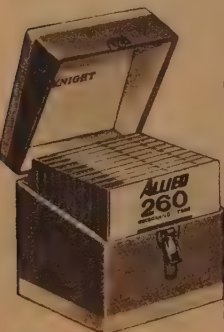
Save \$4.95 On Tape Case Bonus Offer

STOCK-UP ON TAPE NOW AND SAVE!

Buy 10 Reels
of Tape
and Get Case
for \$1 more

Special savings on deluxe carrying case with the purchase of ten 7" reels of top-quality recording tape. Gives you a sturdy wooden hinge-top case that's ideal for protecting, storing, and transporting your tapes (listed separately at right), plus you get up to 36,000 feet of Allied full-frequency "260" recording tape in ten individual boxes. Up to 120 hours of playing time.

15 B 8080. Ten 1200-Ft. Reels with Case. Wt., 13 lbs. 13.90
15 B 8081. Ten 1800-Ft. Reels with Case. Wt., 15 $\frac{1}{2}$ lbs. 20.90
15 B 8082. Ten 2400-Ft. Reels with Case. Wt., 13 lbs. 32.90
15 B 8083. Ten 3600-Ft. Reels with Case. Wt., 15 lbs. 50.80
15 B 8057. Carrying Case Alone. Blue and white leatherette over wood. 8x8x8", 3 lbs. 5.95



New Series "265" Deluxe Allied Recording Tape

ULTRA RANGE FULL-SPECTRUM TAPE

SPECIAL-FORMULA RECORDING TAPE WITH EXTRA-DELUXE FEATURES

- Leader in Front and Back of Tape—No Wasted Tape
- Sensing Foil Activates Automatic Reverse Recorders
- Deep Lubrication for Lowest Possible Head Wear
- Head Cleaner Cleans Heads on Each Tape Pass

Professional-quality tape gives excellent results used with any recorder—best choice for high-fidelity enthusiasts. Guaranteed to be splice-free and manufactured to Allied's specifications. It is designed for optimum frequency response and lubricated to provide longer tape head wear. Contains first-quality materials to give outstanding high-fidelity reproduction and provide years of reliable use.



Allied Ultra Range tape offers you features and quality seldom found in the recording industry. Abrasion is reduced to an absolute minimum by a specially developed micro-polishing process. Wound on heavy-duty computer-type reel that's heat treated to assure parallel, unwarped flanges. Each box contains a pad of silicone-impregnated rayon tape conditioner to maintain the tape surface in like-new condition. Red and

green polyester leaders are attached to each end of the tape. Ultra-thin bonded sensing foils actuate any recorder equipped with reverse mechanism. A length of head cleaning tape is spliced into one end of every reel of tape to remove accumulated material from the recorder head. Has the latest binder system that features built-in homogenized lubrication to substantially reduce the possibility of oxide peeling or flaking.

1 1/2-Mil Acetate Tape. 1275 ft. of tape on 7" reel. Excellent general-purpose tape for parties, home recording, dictation. Wt., 1 lb.
15 B 8269. 1-11 Ea. 1.89 12-Up Ea. 1.69

1-Mil "Mylar" Tape. 1875 ft. of tape on 7" reel. Excellent for taping stereo LP's or recording directly from your tuner. Wt., 1 lb.
15 B 8270. 1-11 Ea. 2.89 12-Up Ea. 2.59

1/2-Mil "Mylar" Tape. 2475 ft., on 7" reel. Professional-quality for taping lengthy operas, symphonies, "live" radio programs. Wt., 1 1/2 lbs.
15 B 8271. 1-11 Ea. 4.45 12-Up Ea. 3.99

Save \$4.95 on Allied's Special Case Bonus Offer

BUY 10 REELS OF TAPE AND GET CARRYING CASE FOR \$1 MORE

Special savings on 10-reel carrying case when you purchase ten reels of deluxe recording tape (above). You get the savings of buying at bulk prices plus a sturdy tape carrying case (separately at right) for storing and protecting your tapes for only a dollar more. Gives you up to 24,750 feet of tape on specially developed warp-resistant reels. Up to 80 hours recording time.

15 B 8084. Ten 1200-Ft. Reels with Case. Shpg. wt., 12 1/2 lbs. 19.90
15 B 8085. Ten 1875-Ft. Reels with Case. Shpg. wt., 15 lbs. 29.90
15 B 8086. Ten 2475-Ft. Reels with Case. Shpg. wt., 17 1/2 lbs. 45.50
15 B 8057. Case Alone. Blue and white leatherette over wood. 8x8x8". 3 lbs. 5.95



Recording Tape and Accessories Professional Tape Care Kit

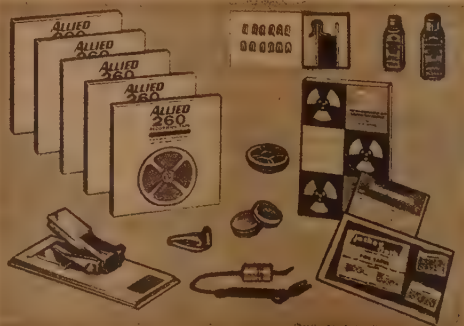
Keep your recorder and tapes like new. Kit includes five 7" reels (6000 ft.) of Allied "260" 1 1/2-mil acetate tape; tape head demagnetizer; 150-ft. leader tape; tape splicer; 100-in. splicing tape; booklet on editing and splicing; tape threader; 2-oz. of head cleaner; 2-oz. of lubricant; silicone-treated cloth; 30 labels; 12 tape clips.

15 B 8064. Shpg. wt., 8 lbs. 18.95

Low-Cost Tape Care Accessory Kit

Complete kit (not illus.) includes: three 7" reels (3600 ft.) 1 1/2-mil of Allied "260" acetate tape; 150-ft. leader tape; tape splicer; 100-in. splicing tape; 24-page booklet on tape editing; tape threader; 2-oz. bottle of head cleaner; 30 identification labels and 12 tape clips.

15 B 8061. Shpg. wt., 6 lbs. 9.95



Allied Recording Tape Is Guaranteed Splice-Free

ALLIED 137



Recording Tape, Accessories

A COMPLETE SELECTION FOR EVERY RECORDING NEED

NOTE: Tapes below have molded plastic reels, except *NAB-type aluminum with 3" center hole

111 Standard 1½-Mil Acetate Tape

For all general recording. International standard of the recording industry—provides flawless sound reproduction at low cost. Av. shpg. wt., 8 oz.

Stock No.	Type	Footage	Reel	1-11, EA.	12-Up, EA.
15 B 8542	111-1.5	150	3"	.47	.42
15 B 8547	111-6	600	5"	1.50	1.35
15 B 8548	111-12	1200	7"	2.34	2.10
15 B 8549	111-25RO*	2500	10½"	7.20	6.48



271 Magnetic Tape Cassette

Cassette for use with Wollensak 4100, Mercury TR800, Concord F100, Aiwa TP707 and Norelco 160. 300', plays 1 hr. monaural; recording both directions. 3 oz. 15 B 8311, 12-Up. Each 1.92 1-11. Each 2.13

Plastic-Coated 1½-Mil Polyester "Sandwich" Tape

Microthin plastic shield over oxide coating eliminates rub-off. Wears up to 30 times longer. Reduces recorder maintenance, head wear. 5" reel, 600'; 7" reel, 1200'. Wt., 10 oz.

Size	Reel Color					EACH
	Clear	Red	Blue	Green	Yellow	
5"	15 B 8578	15 B 8579	15 B 8580	15 B 8581	15 B 8582	2.07, 1.86
7"	15 B 8583	15 B 8586	15 B 8587	15 B 8589	15 B 8590	3.30, 2.97

290 Triple-Length 1½-Mil Polyester Tensitized Tape

Extra thin, stretch and break-resistant tape gives more playing time at a minimum cost per foot. For all general recording uses. Shpg. wt., 5" reel, 8 oz.; 7" reel, 1½ lbs.

Stock No.	Type	Footage	Reel	1-11, EA.	12-Up, EA.
15 B 8304	290-18	1800	5"	4.63	4.17
15 B 8545	290-36	3600	7"	7.97	7.17

131 Low-Print-Through 1½-Mil Acetate Tape

Reduces print-through to a point below the noise level of most professional machines. Excellent recording characteristics, allows long storage. Av. shpg. wt., 12 oz.

Stock No.	Type	Footage	Reel	1-11, EA.	12-Up, EA.
15 B 8534	131-12	1200	7"	2.93	2.64
15 B 8540	131-25RO*	2500	10½"	8.14	7.32

190 Extra-Length 1-Mil Acetate Tape

50% more tape—as much recording time as 1½ standard reels. High-potency oxide for purity of sound. Av. wt., 12 oz.

Stock No.	Type	Footage	Reel	1-11, EA.	12-Up, EA.
15 B 8550	190-9	900	5"	2.34	2.10
15 B 8552	190-18	1800	7"	3.67	3.30
15 B 8553	190-36RO*	3600	10½"	8.53	7.68

150 Extra-Length 1-Mil Polyester Tape

50% more playing time plus extra-strong base. Withstands temperature, humidity extremes. High-potency oxide. Av. shpg. wt., 12 oz.

Stock No.	Type	Footage	Reel	1-11, EA.	12-Up, EA.
15 B 8531	150-9	900	5"	2.40	2.16
15 B 8532	150-18	1800	7"	4.13	3.72
15 B 8533	150-36RO*	3600	10½"	9.57	8.61

200 Double-Length ½-Mil Tensitized Polyester

100% more time—as much as two reels standard tape. Super-strong and stretch resistant. High-potency oxide. Av. wt., 12 oz.

Stock No.	Type	Footage	Reel	1-11, EA.	12-Up, EA.
15 B 8500	200-12	1200	5"	3.63	3.27
15 B 8541	200-24	2400	7"	6.33	5.70

175 Heavy-Duty 1½-Mil "Tenzar"

Longer-wearing tape shrugs off hard use, rough handling... lasts 15 times longer than ordinary tapes. Made with same wear-resistant high-potency oxide coating proved durable in heavy-duty tapes for high-speed computers. Resists heat, won't dry out in storage nor absorb any moisture; doesn't tear if edges become nicked. 5" reels hold 600'; 7" reels, 1200'. Av. shpg. wt., 10 oz.

Size	Clear	Red	Blue	Green	Yellow	1-1112Up
5"	15 B 8527	15 B 8506	15 B 8509	15 B 8517	15 B 8518	1.60, 1.44
7"	15 B 8528	15 B 8520	15 B 8522	15 B 8523	15 B 8525	2.50, 2.25

Sensitive "Dynarange" Series Tape

Choice of professionals. Sensitive—lets you use slower speeds without fidelity loss, 15% longer life; low-noise level; good hi-frequency response and low-rub-off. Superior signal-noise ratio—ideal for transcribing from pre-recorded tapes and records. Av. 1 lb.

Stock No.	Type	Base	Footage	1-11, EA.	12-Up, EA.
15 B 8535	201-6	1½-mil Acetate	600	1.87	1.68
15 B 8504	201-12	1½-mil Acetate	1200	2.93	2.64
15 B 8536	202-6	1½-mil Polyester	600	1.90	1.71
15 B 8537	202-12	1½-mil Polyester	1200	3.40	3.06
15 B 8538	203-9	1-mil Polyester	900	2.83	2.55
15 B 8505	203-18	1-mil Polyester	1800	4.90	4.41

"Living Letters" Tape with Plastic Mailing Container

Newest way to send personal notes. Plastic container meets postal regulations as mailer. Hinge, snap closer. †Tensitized. Wt., 4 oz.



Stock No.	Mfr's Type	Base	Footage	1-11	12-Up
15 B 8300	111-¼-1.5-LL	1½-mil Acetate	150	.60	.54
15 B 8301	200-¼-3-LL	½-mil Polyester†	300	1.23	1.11
15 B 8302	290-¼-6-LL	½-mil Polyester†	600	1.97	1.77
15 B 8303	MT-MAILER-LL	Mailer w/empty 3" reel	40	.40	.36

15 B 8501. †† Address Labels. Pkg. of 10 for .33

Type PRST-7 Self-Threading Tape-Reel



Eliminates tedious reel threading. Place any tape or leader on reel hub and let recorder do the rest. 7" plastic reel with snap-tight collar. Seals out dust, makes reel self-storing without box. Wt., 8 oz. 15 B 8014, 12-Up. Each .90 1-11. Each 1.00

Empty Plastic Reels with Index Box

Standard reels in most frequently used sizes. Av. wt., 4 oz.

Stock No.	Reel Size	1-11, EACH	12-Up, EACH
15 B 8559	3"	.17	.15
15 B 8558	5"	.44	.39
15 B 8556	7"	.50	.45

Taping Accessories

Type 24 Leaders & Timing Tape. 100'. 15 B 8569 is white; 15 B 8568, yellow. Dispenser package. Wt., 3 oz.

15 B 8569. 12-Up.	Each .54	1-11.	Each .60
15 B 8568. 12-Up.	Each .54	1-11.	Each .60

Type 21-10. Leader Tape. White. 1000'. 7" reel. 8 oz.

15 B 8546. 12-Up.	Each 2.70	1-11.	Each 3.00
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15 B 8557. Type 41½-S Splicing Tape. Non-run adhesive on one side. ½x150". Dispenser pkg. 3 oz. Each .39

15 B 8577. Type 51½-S. Aluminized Sensing Tape. For recorders with automatic "stop" and "reverse" controls. Adhesive on one side, foil on other. 150' reel. In handy dispenser package. Shpg. wt., 3 oz. Each 1.89

Recording Tape and Pre-Recorded Tape

AUDIOTAPE Recording Tape

One of the finest professional-quality tapes available—with maximum fidelity, uniform frequency response and freedom from noise and distortion. Tested for perfection in durability, size, smoothness.

Strong 1½-Mil Standard Tape

Standard recording tape with plastic base. Meets exacting requirements of the professional, educational and home recordist at low cost. Plastic reels. Av. shpg. wt., 8 oz.

Stock No.	Type	Feet	Reel	1-9, EA.	10-Up, EA.
15 B 8625	151	150	3" C-slot	.46	.41
15 B 8637	6651	600	5" C-slot	1.47	1.32
15 B 8627	1251	1200	7" C-slot	2.29	2.06

1-Mil Tape for 50% Longer Playing Time

50% more recording time per reel. Durable polyester film base for trouble-free operation. Plastic reels. Av. wt., 8 oz.

Stock No.	Type	Feet	Reel	1-9, EA.	10-Up, EA.
15 B 8700	261	225	3" Mailer	.66	.59
15 B 8701	961	900	5" C-slot	2.35	2.12
15 B 8702	1861	1800	7" C-slot	4.05	3.65

Double Recording-Time ½-Mil Mylar

Twice as much recording time per reel. Suitable for extended play where tape tension is not excessive. Av. wt., 12 oz.

Stock No.	Type	Feet	Reel	1-9, EA.	10-Up, EA.
15 B 8626	331	300	3" C-slot	.89	.80
15 B 8629	1231	1200	5" C-slot	2.29	2.06
15 B 8631	2431	2400	7" C-slot	4.24	3.82

Double-Strength Tempered ½-Mil Mylar

Twice as much recording time as standard tapes, plus twice the strength of other double-length tapes. Av. wt., 12 oz.

Stock No.	Type	Feet	Reel	1-9, EA.	10-Up, EA.
15 B 8628	331T	300	3" Mailer	1.05	.94
15 B 8619	1231T	1200	5" C-slot	3.56	3.20
15 B 8622	2431T	2400	7" C-slot	6.20	5.59

Tempered ½-Mil Mylar with Triple Recording Time

Special, thin oxide coating on ½-mil "Tempered Mylar" gives 3 times the recording time of standard tape. Wt., 12 oz.

Stock No.	Type	Feet	Reel	1-9, EA.	10-Up, EA.
15 B 8632	633T	600	3½" Mailer	1.97	1.77
15 B 8633	1833T	1800	5" C-slot	4.54	4.09
15 B 8634	3633T	3600	7" C-slot	7.81	7.03

Audiopak Recording Tape Cartridges

Type A-4 is for 4 track, A-8 for 8-track cartridge recorders using standard ¼"-wide tape.

Stock No.	Type	Feet	Reel	1-9, EA.	10-Up, EA.
15 B 8635	A-4	300	3" Mailer	2.70	2.45
15 B 8636	A-8	150	3" Mailer	2.51	2.27

ROBINS Correspondence Tape

Ideal for personal correspondence. High-quality recording tape with impact-resistant plastic mailer and two-sided address card. Mailer meets all postal requirements, assures safe delivery. 3" reels except 3½", 6 oz.

Stock No.	Type	Feet	Base	Playing Time	EACH
15 B 8183	15H3	150	1.5 mil. A	7½ Min.	.59
15 B 8184	10H3	225	1.1 mil. A	11 Min.	.69
15 B 8185	10H3M	225	1.1 mil. P	11 Min.	.84
15 B 8186	5H3M	300	.5 mil. P	15 Min.	.93
15 B 8187	5H3MS	450	.5 mil. PTP	22½ Min.	1.32
15 B 8188	5H32MS	*600	.5 mil. PTP	30 Min.	1.64

Material: A-Acetate; P-Polyester; PTP-Polyester Triple Play

Save—Buy Tapes In Quantity on Allied's Credit Fund Plan



PRE-RECORDED STEREO TAPES

Music Samplers

Specially selected tunes from different albums to give you a representative cross-section of the best in music. All on standard 7" reels. Stereo. 7½ ips. Shpg. wt., 1 lb.

Stock No.	Tape No.	Description	EACH
15 B 8423	Q401	Popular Music	3.95
15 B 8424	E66001	Classical Music	3.95
15 B 8425	E66002	Opera Music	3.95
15 B 8426	L66003	Phase 4 Sampler	6.95
15 B 8427	C1500	Romantic Moods, Nostalgic Moods	6.95

Music with Extra Fidelity

Extra-high-quality pre-recorded stereo tapes to accent the best characteristics of your system. Features such artists as Mantovani, and Ted Heath. 7½ ips. Wt., 1 lb.

Stock No.	Tape No.	Title	Artist	EACH
15 B 8428	C7006	Sound Effects in Stereo	.....	6.95
15 B 8429	C821	Far Away Places	Enoch Light	6.95
15 B 8430	M7001	Gems Forever	Mantovani	6.95
15 B 8431	L74025	Film Spectacular	Stanley Black	6.95
15 B 8432	M7008	All Time Top 12	Ted Heath	6.95

Classical Selections

Outstanding stereo selections from the works of Tchaikovsky, Ravel, Borodin, Rimski-Korsakov and Gershwin. Performed by the best orchestras. 7½ ips. All on standard 7" reels. Shpg. wt., 1 lb.

Stock No.	Tape No.	Description	EACH
15 B 8433	L75001	1812 Overture/Nutcracker	6.95
15 B 8434	L75003	Ravel Bolero/Polovetsian Dances	6.95
15 B 8435	L75005	Schizherazade	6.95
15 B 8436	L75009	Rhapsody in Blue/American in Paris	6.95

Beginner's Language Tapes

Use your tape recorder as an educational tool to help you learn the basics of a foreign language. Each course has two tapes plus text book. Monaural. 7½ ips. 1 lb.

Stock No.	Mfr's No.	Description	EACH
15 B 8437	F401	Spanish	9.95
15 B 8438	F402	French	9.95
15 B 8439	F403	German	9.95
15 B 8440	F404	Italian	9.95
15 B 8441	F405	Russian	9.95

Ultra-Thin Tape Plays Four Times Longer

Extends the recording time of most 3¼" battery-operated recorders. 1200-ft. of tape records four hours (2 tracks) at 1½ ips; two hours at 3¼ ips. Heavy-duty magnetic coating over a .0024" tensilized polyester base gives an ultra-thin recording tape that has sensitivity and surprising ruggedness. Outstanding performance with any good capstan-drive battery or battery/AC recorder. Not for rim-drive recorders. Dustproof plastic case.

15 B 7070. Shpg. wt., 10 oz. Each 4.25



Gibson Girl® Taping Accessories



A TS-8D Deluxe "Stereo 4." Splices 4-track stereo and mono tapes. Cuts tape diagonally, with tiny side trim. "See-thru" windows show operating positions. Replaceable cutter. Blade centering adjustment. Of super-strong "Implex." Has integral tape dispenser. With 100' roll $\frac{1}{2}$ " splicing tape, instructions. 11b.
15 B 8142.....7.69

B TS-7S Standard Stereo Splicer. Similar to above. Dispenser has 100' roll $\frac{3}{8}$ " splicing tape.
15 B 8220. Wt., 12 oz.....5.99

TS-7J Junior Stereo Splicer. Above, less dispenser, tape.
15 B 8221. Wt., 8 oz.....4.79

C TK-9 Tape Editing Workshop. For splicing and editing tapes. Handles reels up to 7". Consists of 2 tape winders and Deluxe "Stereo 4." Splicer with tape base. $5\frac{1}{2} \times 12 \times 6\frac{1}{4}$ ".
15 B 8348 W. Wt., 2 lbs.....14.39

D TS-5 Cut-N-Splice. Metal block has guide, cutting groove for hand-held blade. Built-in tray holds 25 patches, and blade, supplied.
15 B 8350. Wt., 5 oz.....1.89

E TS-6 Deluxe Cut-N-Splice. This easy to use splicer has dual control knob for cutting tapes at 30-45° or 90°. With 25 self-stick patches. Patches are stored in tray built into base.
15 B 8349. 5 oz.....2.99

F New TSV-50 $\frac{1}{2}$ " Videotape Splicer. Heavy-duty type with tape guide. Order self-stick patches below.
15 B 8222. Wt., $1\frac{1}{4}$ lbs.....11.90

15 B 8223. TSV-100 1" Videotape Splicer for Ampex. $1\frac{1}{4}$ lbs.....11.90
Patches. Pkg. of 60. Wt., 3 oz.
15 B 8225. For TSV-50.....99¢
15 B 8224. For TSV-100.....99¢

G New TS-500 $\frac{1}{2}$ " Professional Videotape Splicer. For studio work. Replaceable blades, cutter pads. Blade centering adjustment. 4 lbs.
15 B 8227. \$5 Monthly.....51.00

15 B 8226. TS-1000 1" Professional Splicer for Ampex. 4 lbs.....51.00

Editing and Recorder-Care Accessories

H TK-8DLX Deluxe Tape Accessory Kit. Contains: TS-8D "Stereo 4." Splicer; roll of $\frac{1}{2}$ " Splicing Tape; Tape Threader; Head Cleaner; Head Lubricant; Tape Jockey Cloth; Tape Clips; Reel Title Labels; Reel Holders; Editing and Splicing Booklet.
15 B 8169 X. Wt., $1\frac{1}{2}$ lbs.....11.49

Recording Head Azimuth Alignment Tape (Not illus.). For aligning tape head angle for maximum sound output. 100' on 3" reel. Shpg. wt., 8 oz.
15 B 8217.....99¢

J TK-21 Starter Tape Editing Kit. Tape splicer has adhesive-backed plastic tape guide that fastens to recorder. Roll of tape, editing pencil.
15 B 8228. Wt., 2 oz.....1.69

K TK-19 Tape Editors Kit. Includes: TS-5 "Cut-N-Splice" metal tape splicing block; 25 self-stick patches; 3 editing and cuing pencils; and tape editing book. 5 oz.
15 B 8229.....2.49

L TG-7 Tape-Care Pack. Includes: 12 plastic clips to keep tapes neatly on reels, and 2 jockey cloths to clean and lubricate tapes. 5 oz.
15 B 8231.....79¢

M TC-75 Tape Clips. Keeps tape from unwinding. Plastic, reusable. 75 clips in handy plastic container.
15 B 8376. 8 oz.....Per Box 69¢

N TK-6 Tape Head Cleaner and Lube Kit. Package contains 2-ounce bottles of Head Cleaner and Head and Guide Lubricant. Wt., 6 oz.
15 B 8181.....1.15

THC-1 Head-Kleen, Polishing Tape. (Not illus.) 3" reel of 225' tape.
15 B 8232. 4 oz.....99¢

Tape-Clean. (Not illus.) Chemically treated cloth tape cleans, lubricates heads and guides. Wt., 4 oz.
15 B 8205. THC-5. 5" Reel.....1.69
15 B 8233. THC-3. 3" Reel.....99¢

P TE-3 Tape Recorders' Complete Library. Includes set of 3 highly informative books on care and use of tape recorders. Describes recording techniques, troubleshooting, recording sounds of your life, adding sound to home movies, and interesting sound effects. Includes glossary.
15 B 8234. Wt., 12 oz.....2.19

TX-20 Tape Head Cleaner. (Not illus.) 2-oz. bottle with applicator.
15 B 8113. Wt., 4 oz.....59¢

Empty Reels

Empty Plastic Reels for Every Recording Need. Most-popular sizes. Colors available: *Red. †Yellow. ‡Blue. §Green. Indicates low-torque. Av. shpg. wt., per package, 2 lbs. Less box.

Stock No.	Mfr's Type	Size	Pkg. of	PER PKG.
15 B 8356	TR20-6	2"	6	59¢
15 B 8357	TR25-6	2½"	6	59¢
15 B 8358	TR30-6	3"	6	59¢
15 B 8359	TR32-4	3¼"	4	59¢
15 B 8382	TR36-6	3"	6	69¢
15 B 8360	TR40-4	4"	4	59¢
15 B 8361	TR50-2	5"	2	59¢
15 B 8389	*TR51-R	5"	2	79¢
15 B 8390	†TR51-Y	5"	2	79¢
15 B 8391	‡TR51-B	5"	2	79¢
15 B 8392	§TR51-G	5"	2	79¢
15 B 8393	§TR53	5"	2	99¢
15 B 8362	TR70-2	7"	2	69¢
15 B 8395	*TR71-R	7"	2	96¢
15 B 8396	†TR71-Y	7"	2	96¢
15 B 8397	‡TR71-B	7"	2	96¢
15 B 8398	§TR71-G	7"	2	96¢
15 B 8363	§TR74	7"	2	1.18

Splicing Tape

"Mylar." Shpg. wt., 2 oz.

Stock No.	Type	Width	Length	EACH
15 B 8364	TST-235	¼"	300'	
15 B 8365	TST-376	¼"	275'	
15 B 8366	TST-501	¼"	250'	59¢
15 B 8367	TST-751	¼"	150'	
15 B 8368	TST-233			

Self-stick Patches
Pkg. of 75 69¢

Tape Accessories for Home and Studio ROBINS



A TM-2 Magnetic Tape Editing Pen. Used like writing pen, removes single sound, noise from tape. 15 B 8241. Wt., 3 oz. **1.19**

B HD-6 Deluxe Demagnetizer. Heavy-duty demagnetizer removes residual magnetism from tape heads. $4\frac{1}{2} \times 1\frac{1}{4}$ " dia. For 110-120 V, 60 cycle AC. U.L. Listed. Wt., 1 lb. 15 B 8154. **6.59**

C HD-3 Low-Cost Demagnetizer. Tape recorder head demagnetizer for all model recorders. Low-cost version of Model HD-6, described above. Size, $3\frac{1}{2} \times 1\frac{1}{4}$ " diameter. For 110-120 V, 60 cycle AC. Shpg. wt., 8 oz. 15 B 8127. **3.90**

D TM-44 Bulk Tape Eraser. For reels to $7\frac{1}{2} \times 5\frac{1}{4} \times 2\frac{1}{2}$ or $3\frac{1}{2} \times 3\frac{1}{2}$ ". For 115 V, 50-60 Hz AC. U.L. Listed. 15 B 8242. $2\frac{1}{2}$ lbs. **10.49**

E ME-99 Professional Bulk Tape Eraser. Reduces noise level on tape 3 to 6 dB below normal erase-head level. Erases entire reel in seconds. For reels to $10\frac{1}{2} \times 5\frac{1}{4} \times 1\frac{1}{2}$ " wide. $5\frac{1}{4} \times 6\frac{1}{4}$ " dia. For 110-120 V, 50-60 Hz AC. U.L. Listed. Shpg. wt., $8\frac{1}{2}$ lbs. 15 B 8114. \$5 Monthly. **27.59**

F TM-120 Audio-Video Bulk Tape Eraser. For tape to 1" wide on 17"-dia. reel. 10 min. on/off cycle. 115 V, 50-60 Hz AC. U.L. Listed. 15 B 8243. 35 lbs. \$6 Mo. **105.00**

G TM-100 Audio-Video Bulk Tape Eraser. For tape to 1" wide on $10\frac{1}{2}$ "-dia. reel. 5 min. on/off cycle. $3\frac{1}{2} \times 6\frac{1}{2} \times 8$ ". 115 VAC. U.L. Listed. 15 B 8244. 10 lbs. \$5 Mo. **53.99**

H ME-77 Deluxe Bulk Tape Eraser. For tape reels to 7" dia. $\times 1\frac{1}{4}$ ". Erasure to 4 dB below erase-head level. $2\frac{1}{2} \times 3\frac{1}{2} \times 6\frac{1}{4}$ ". For 110-120 V, 50-60 Hz AC. U.L. Listed. Wt., 5 lbs. 15 B 8130. **15.90**

J ME-66 Standard Model Bulk Eraser. Portable hand-held unit has momentary contact (on-off) switch. For $\frac{1}{4}$ " tape, any size reel. $4\frac{1}{2} \times 2\frac{1}{2} \times 4\frac{1}{4}$ ". For 110-120 V, 50-60 Hz AC. 15 B 8351. Shpg. wt., 4 lbs. **11.99**

Recorder-Care and Tape Storage Accessories

K TK-1 Tape Log Book Kit. For listing your library by color-coding. Includes 120-page color indexed log book, 120 coded title labels, 48 numbered 1-8 tape index spots, pen. 15 B 8247. Wt., 14 oz. **4.98**

TL-5 Color-Coded Tape Box-Ends. (Not illus.) Box-ends code contents, index library. 5 each: Red, Blue, Orange, Green, Yellow, White. 15 B 8246. Wt., 5 oz. **1.49**

TL-16 Color-Coded Leader Tape. (Not illus.) 100 ft. each of 5 colors: Red, Blue, Yellow, Green, White. 15 B 8248. Wt., 14 oz. **2.39**

TL-240 Color Coded Title Labels. (Not illus.) 40 each of 6 colors: Red, Blue, Green, Orange, Yellow, White. Self-stick $2\frac{1}{2} \times \frac{1}{2}$ " labels. 15 B 8249. Wt., 2 oz. **99¢**

TL-245 Color-Coded End Tabs. Self-stick end tabs prevent tape unwinding; identify tape. 12 ea.: Red, Blue, Orange, Green, Yellow, White. 15 B 8251. Wt. 1 oz. **69¢**

TL-246 Color-Coded Index, Cueing Spots. (Not illus.) Self-stick spots numbered 1-8. 8 each of Red, Blue, Orange, Green, Yellow, White. 15 B 8252. 1 oz. **99¢**

TL-180 Reel Title Labels. (Not illus.) 180 white, pressure-sensitive $2\frac{1}{2} \times \frac{1}{2}$ " labels. Shpg. wt., 5 oz. 15 B 8253. **69¢**

L TRP-2 Phone Pick-Up. Fastens to phone with suction cup. 5' cable. Shpg. wt., 6 oz. 15 B 8354. **1.89**

M Set of 12 Deluxe Molded Individual Tape Safes. Protects 7" tapes from dust, dirt, aging. Hinge covers. Safe bottoms have dovetail grooves for wall-mount bracket. Less tape, reels. 15 B 8102. Set of 12 Individual Tape Safes, Metal Bracket. 8 lbs. **10.99**

N TW-1 Precision Tape Strobe. Highly accurate all-metal, chrome-plated strobe. Precision machined, needle bearings. Instructions. 15 B 8116. Wt., 1 lb. **5.99**

P Tape Storage Cons. Metal, durable enamel finished. Ribs on cans nest for stacking. In Pairs. 15 B 8207. TC-7. 7" cans. 1 lb. **2/1.09**
15 B 8208. TC-5. 5" cans. 14 oz. **2/72**

R RMC-6 Plastic Mailing Box. Rugged, high-impact, reusable box. For reels up to $3\frac{1}{4} \times 5$ oz. 15 B 8255. **99¢**

S TB-15 Tape Mailing Boxes. 15 boxes for reels up to 3" dia. 6 oz. 15 B 8256. Per Pkg. **69¢**

T TK-14 Recorder Maintenance Kit. Essential for every home tape recordist. Includes: head demagnetizer to remove residual magnetism; two jockey cloths to clean and lubricate tapes; 3" reel of "Tape-Clean" to clean heads and guides. 15 B 8245. Wt., 12 oz. **3.98**

TK-11 Audio Visual Kit. (Not illus.) For language labs, audio-visual, recordists. Contains: ME-77 Magnetic Eraser, HD-3 Head Demagnetizer, TS-4S 4-Tape Splicer, roll of $3\frac{1}{2} \times 275$ " Splicing Tape, TK-6 Head Cleaner, TK-5 Strobe and Light Kit, Tape Threader, Tape Cleaning Cloths, 150 Labels, 75 Clips, 150 Swabs. 15 B 8218. 9 lbs. \$5 Mo. **29.00**

TK-12 Professional Tape Accessory Kit. (Not illus.) Suitable for language labs, and serious home recordists. Includes: TS-8D Deluxe "Stereo 4" Splicer; 6 rolls $\frac{1}{2}$ " Splicing Tape; Tape Threader; Tape Jockey Cloth; Head Cleaner; Lubricant; 24 Tape Clips; 150 Reel Title Labels; Tape Strobe and Light Kit; ME-99 Bulk Eraser; HD-6 Demagnetizer. 14 lbs. 15 B 8213 X. \$5 Monthly. **49.25**



Tape Heads and Accessories, Recording Discs

NORTRONICS Stereo Magnetic Tape Heads



Premium-Quality

Record and Record/Playback Heads: Hyperbolic all-metal faces with laminated cores and deposited quartz gap. Response, 40-20,000 Hz at 7½ ips. Crosstalk Rejection, 55 dB. **Erase Heads:** double-gap types with all-metal cases. 60 kHz operating voltage rms. High imp.—100-150 V, med. imp.—30-50 V. For up to 100 kHz. Av. shpg. wt., 6 oz.

Stock No.	Type	Description	EACH
15 B 8954 S	1000	4-track stereo R/P; high imp.	21.00
15 B 8984 S	1001	4-track stereo R/P; med. imp.	21.00
15 B 8706 S	3000	2-track monaural R/P; high imp.	8.40
15 B 8697 S	3001	2-track monaural R/P; med. imp.	8.40
15 B 8686 S	1400	4-track stereo erase; high imp.	12.00
15 B 8709 S	1401	4-track stereo erase; med. imp.	12.00
15 B 8682 S	3600	2-track monaural erase; high imp.	8.00
15 B 8707 S	3601	2-track monaural erase; med. imp.	8.00

Quick-Kit Hardware

For adapting No-Mount heads to Side, Base, or Special Mounting styles. Av. shpg. wt., 4 oz.

Stock No.	Type	Description	EACH
15 B 8683 S	18	Side mount, all erase heads	1.00
15 B 8684 S	20	Side mount, R/P 3000 Series	1.00
15 B 8686 S	38	Side mount, all others	1.00
15 B 8687 S	19	Base mount, all erase heads	1.00
15 B 8688 S	21	Base mount, R/P 3000 Series	1.00
15 B 8689 S	66	Base mount, R/P all others	1.00
15 B 8690 S	102	Sony R P mount	1.75
15 B 8673 S	119	Sony R P mount	1.00

Adjustable Mount Assemblies

Full range of adjustments for height, face, and azimuth. Can use with TG-7 guide posts. Base size, 1½ W. x 1²⁷/₃₂ L., with tabs; 1¹/₂ L. without tabs. Av. shpg. wt., 4 oz.

Stock No.	Type	Description	EACH
15 B 8652 S	74	For all R/P heads except 3000, 3100 Series	2.25
15 B 8653 S	77	For 3000, 3100 Series R/P heads	2.25
15 B 8654 S	78	For all erase heads	2.25



ROBINS M/M Tape Recorder Heads

Replace heads used in 90% of all U.S. tape recorders. *Millihenries. Av. shpg. wt., 6 oz.

Stock No.	Mfr's Type	Description	Imp. 1-kHz	Audio mA	Bias mA	EACH
15 B 8157 S	3R20-301	2-tr. stereo, R/P	2000	.043	1.0	19.20
15 B 8158 S	3FM20-304	2-tr. mono, R/P	2000	.043	1.0	8.70
15 B 8159 S	3FM20-308	2-tr. mono, R/P	2000	.043	1.0	8.70
15 B 8160 S	3L20-301	2-tr. mono, R/P	2000	.03	1.0	6.60
15 B 8161 S	SQT17	4-tr. stereo, R/P	3340	.02	0.3	10.50
15 B 8164 S	SQT17-305	4-tr. stereo, R/P	3340	.02	0.3	14.40
15 B 8165 S	S7B17	2-tr. stereo, R/P	5150	.032	0.7	9.90
15 B 8170 S	7L17	2-tr. mono, R/P	5150	.023	1.0	6.60
15 B 8172 S	7L17-308	2-tr. mono, R/P	5150	.023	1.0	6.60

Stock No.	Mfr's Type	Description	Freq. kHz	Ind. *mH	Erase mA	EACH
15 B 8173 S	SS1	2-tr. mono, erase	62	5.0	17	4.80
15 B 8174 S	SSS1	2-tr. stereo, erase	62	5.0	17	7.80
15 B 8175 S	7EM12A	2-tr. mono, erase	80	5.4	30	4.80
15 B 8176 S	9QTE16	4-tr. stereo, erase	75	9.0	12.5	6.60

15 B 8177 S	HRE-1	Com 2-tr. mono R/P and erase—Imp., 1450 Audio, .05 mA; Bias, 1.5 mA; 25kHz.	12.00
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15 B 8134 G. Robins Tape Head Replacement Guide. FREE

AUDIO DEVICES Disc Recording Blanks

Smooth coated both sides of aluminum base.

Stock No.	Size	Label	Base	Wt., Ea.	Lbs., Pkg.	PER PKG. OF 25
15 B 8050	10"	Red	.040"	6 oz.	8½	34.75
15 B 8051 S	12"	Red	.050"	9 oz.	13½	74.25
15 B 8052	10"	Yellow	.040"	6 oz.	8½	30.00
15 B 8053 S	12"	Yellow	.050"	9 oz.	13½	63.25

Audiopoint Disc Cutting Needles. Synthetic sapphire.

Stock No.	Type	Description	Tip Wt.	Oz.	EACH
15 B 8108	14	Short shank, standard groove	.003"	2	4.95
15 B 8109	20	As above, for microgroove	.0005"	2	4.95
15 B 8118	14	Long shank, standard groove	.003"	2	4.95
15 B 8156	20	As above, for microgroove	.0005"	2	4.95

Replacement Heads for Popular Tape Recorders

Direct replacement tape heads for famous-name recorders. Instructions are included with all types. R-Record; P-Play; E-Erase. *Indicates the mounting kit required—see Quick-Mounting Kits at left. Av. shpg. wt., 1 lb.

For Webcor Models

Stock No.	Type	Function	For Model Nos.	* EACH
15 B 8854 S	1000	RPE	2008, 2208, 2323 (-1, 1A), 2007 (-1), 2107 (-1), 2150 None	21.00
15 B 8995 S	6003	RPE	2520-1, 2522-1, 2450 (-1), 2457 (-1), Regent	None 33.00
15 B 8896 S	6025	RPE	2403 (-1), 2503-1, Viscount	None 18.00

For Revere Models

15 B 8650 S	RP-20	RPE	10, 11, 15 thru 27, 100, 200, 202, 1100, 1105, 1126	None 15.60
15 B 8651 S	RP-23	RPE	1126, All of series 300, 700, 800, 900, 1000, 1200, 1400, 2000, 70,000	None 15.60

For Wollensak Models

15 B 8650 S	RP-20	RPE	700-D, 1400 (B, C, D, E), None	15.60
15 B 8651 S	RP-23	RPE	1500, 1520, 570, 1600, 1700, 1800, Old 2-track mono.	None 15.60
15 B 8665 S	6005	RPE	5200, 5250, 5280, 5300	66 33.00

For Knight Models

15 B 8698 S	1009	RP	4000, 4000A, 4002, 4003, 4060, 4075, 4100, 4310, 35DU(711, 713, 806, 807), 79 RU 850, 92 RU 774, 4200, 4400, 4401	38 21.00
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For VM Models

15 B 8832 S	3101	RP	710(A), 711(A), 714, 730, 750(A), 1000, 710Q, 720, 722, 735 (Add a Track), 740 (1), 755, 741, 1601-(-1,2), 1002-(-1,2)	20 8.40
15 B 8698 S	1009	RP		38 21.00

NORTRONICS Recorder Accessories

Oscillator Transformers. For high-frequency AC bias to record and erase heads. Provides 40-120 V rms at 60-100 kHz. Shpg. wt., 6 oz.

15 B 8894 S. T60F. For Tube Circuits. 4.50

15 B 8895 S. T-60-T2. For Transistor Circuits. 4.50

15 B 8111. AT-100 Alignment Tape. Full-track 7½ ips. For head azimuth alignment, NAB testing response of any recorder or tape head. Shpg. wt., 4 oz. 4.95

15 B 8795. TG-7 Tape Guide Post. Adjustable height, chrome-plated brass. With hardware, instr. Shpg. wt., 3 oz. 1.00

15 B 8785. Adjustable Tape Guide Plate. For sidemount heads where additional tape guidance is needed. Shpg. wt., 3 oz. 50¢

15 B 8786. L-6 Mounting Bracket. Right Angle universal for sidemount heads. Narrow base 2/azimuthing plate. Shpg. wt., 3 oz. 70¢

15 B 8787. L-7 Mounting Bracket. As above, but with left angle. Shpg. wt., 3 oz. 70¢

COUSINO Audio Vendors

Tape magazines provide continuous tape play for repeated messages. Fit most recorders. Clockwise, except *counter-clockwise. 8 oz.

Stock No.	Type No.	Running Time	EACH
15 B 8145	U-110C-3	3 minutes	5.10
15 B 8146	U-110C-5	5 minutes	5.50
15 B 8147	U-110C-12	12 minutes	7.40
15 B 8149	U-110C-15	15 minutes	8.10
15 B 8143	U-1210C-30	30 minutes	16.50
15 B 8147	U-1310CC-3*	3 minutes	5.10
15 B 8148	U-1310CC-5*	5 minutes	5.50
15 B 8136	U-1310CC-12*	12 minutes	7.40
15 B 8144	U-1310CC-15*	15 minutes	8.10

All That's New in Electric Guitars and Outfits

COMPLETE SELECTION—ALL PRICED FOR VALUE



(A)
With Tremolo
\$29⁹⁵
\$5 monthly



(B)
New! Violin Shape
\$79⁹⁵
\$5 monthly



(C)
\$59⁹⁵
\$5 monthly

In Red, White or Blue



(D)

Save
\$15.00
With Hardshell Case
\$79⁹⁰ \$5 monthly



(D) 2-Pickup Tremolo Guitar Outfit with Amplifier

Separately, \$94.90. Complete outfit, including hardshell guitar case. Solid-body guitar has two pickups, torsion bar tremolo. 7-way adjustable bridge, vol., tone controls. Red sunburst. 40 1/2 x 14 x 1 3/4". 5-watt* tube amplifier with 8" speaker, 3 inputs. 16 1/2 x 16 1/2 x 7". Leather strap, instruction book, record, chord chart. Japan.

10 B 0053 L2U. Outfit. Wt., 26 lbs.	79.90
10 B 4615 U. Guitar, Case, Access. 14 lbs.	59.95
10 B 4616 X. Amplifier Alone. 12 lbs.	34.95

(A) Our Lowest Priced Guitar

A remarkably low price for a solid-body tremolo guitar. Double cutaway with single adj. pickup. Detachable neck; vol., tone controls. Rosewood fingerboard, chrome pick guard. Red sunburst. 39 x 12 1/2 x 1 3/4". Japan.

10 B 4617 U. Guitar Alone. 10 lbs.	29.95
10 B 4620 U. Guitar Case. Wt., 4 lbs.	10.95

(B) 2-Pickup Violin-Shaped Guitar

New! Semi-acoustical electric guitar with 6-way adjustable bridge, adjustable pickups. Torsion-bar tremolo. Arched spruce top, maple body. Honey brown color. Volume, tone controls. 41 x 13 x 2". From Japan.

10 B 4631 U. Guitar, Strap. 11 lbs.	79.95
10 B 4650 U. Carrying Case. 5 lbs.	12.95

(C) 3-Pickup Tremolo Guitar

Solid-body guitar with torsion bar tremolo, volume, tone controls. Adjustable, steel reinforced maple neck, rosewood fingerboard. Tortoise shell plastic pick guard. Adj. 8-way bridge. 40 1/2 x 14 x 1 3/4". Japan.

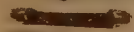
10 B 4627 U. Red Guitar. 12 lbs.	59.95
10 B 4626 U. White Guitar. 12 lbs.	59.95
10 B 4623 U. Blue Guitar. 12 lbs.	59.95
10 B 4620 U. Guitar Case. 4 lbs.	10.95

Save **\$10.00**
4-Pickup Guitar Outfit with 8-Watt* Tremolo Amp

\$99⁹⁰ \$5 monthly

Separately, \$109.90. Features a 4-pickup solid-body guitar with torsion bar tremolo, adjustable steel-reinforced maple neck. 8-way bridge, rosewood fingerboard, tortoise shell plastic guard. Vol., tone controls. Red sunburst. 40 1/2 x 14 x 1 3/4". 8-watt* amp. has 8" speaker and tremolo, modulation and speed controls. 6 3/4 x 20 x 12 1/2". Includes: leather strap, instr. book with record and chord chart. From Japan.

10 B 0054 L2U. Outfit. Wt., 25 lbs.	99.90
10 B 4618 U. Guitar, Acces. 13 lbs.	69.95
10 B 4619 X. Amplifier Alone. 12 lbs.	39.95
10 B 4620 U. Case Alone. 4 lbs.	10.95



*Music Power Rating

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ALLIED

Bass Guitars, Amplifiers and Outfits



Complete Bass Guitar Outfit

Save
\$10.00 **\$99.90**
\$5 monthly

- Bass Guitar
- Bass Amplifier
- Leather Strap
- Instruction Book

Separately, \$109.90. Single-pickup solid-body bass guitar with adjustable neck and bridge. Rosewood fingerboard, maple neck. Tortoiseshell plastic pick guard. Volume and tone controls. Red sunburst. 40 $\frac{1}{2}$ x14x1 $\frac{3}{4}$ ". 8-watt* tube amplifier has tone, volume controls, 2 inputs, two 8" speakers. 6 $\frac{1}{2}$ x20x12 $\frac{1}{2}$ ". Leather strap, instruction book. From Japan. Shpg. wt., 29 lbs.

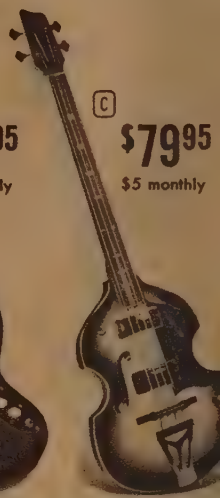
10 B 0064 L2U. Outfit. \$5 Monthly.....	99.90
10 B 4632 U. Guitar Alone. 10 lbs.....	59.95
10 B 4652 X. Amplifier Alone. 14 lbs.....	49.95
10 B 4633 X. Guitar Case. Wt., 4 lbs.....	10.95



A
\$89.95
\$5 monthly

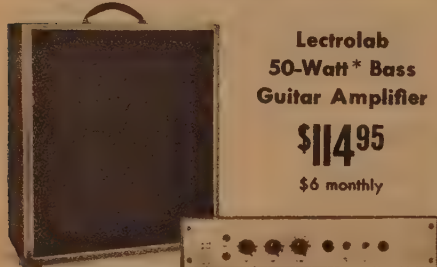


B
\$69.95
\$5 monthly



C
\$79.95
\$5 monthly

- A** Double-Pickup Bass Guitar. Solid body with detachable, adjustable steel-reinforced maple neck. Tortoise shell plastic pick guard. Adjustable pickups and 6-way bridge. Rosewood fingerboard. Volume, tone controls. 48x14x1 $\frac{3}{4}$ ". Japan. 15 lbs.
- 10 B 4677 U. Red Guitar with Leather Strap, instructions..... 89.95
- 10 B 4636 U. Blue Guitar with Leather Strap, instructions..... 89.95
- 10 B 4676 U. Guitar Case. Shpg. wt., 5 lbs..... 12.95
- B** 10 B 4768 U. Single-Pickup Bass Guitar. As above, but one pickup. 43 $\frac{1}{2}$ x13x1 $\frac{3}{4}$ ". Red only. Case above. 12 lbs..... 69.95
- C** Violin-Shaped Two-Pickup Bass Guitar. Semi-acoustical. Arched spruce top, maple body, neck, ebony fingerboard. Volume, tone controls. Adjustable bridge. Honey brown. 45 $\frac{1}{2}$ x13x2".
- 10 B 4651 Z. Guitar and Leather Strap. Wt., 11 lbs..... 79.95
- 10 B 4650 U. Guitar Case. Shpg. wt., 5 lbs..... 12.95



Lectrolab 50-Watt* Bass Guitar Amplifier

\$114.95
\$6 monthly

- Huge 15" Jensen Woofer, 2" Tweeter
- Bass, Treble, and Volume Controls
- Pilot Light and Standby Switch

Tops for the electric bass guitarist. Gives full, vibrant sound, thanks to the specially designed 15" Jensen woofer, 2" tweeter and powerful 50-watt* amplifier. Bass, treble and volume controls are top mounted. Two input jacks for guitar or electric bass. Circuit has 4 tubes, plus 5 solid-state silicon rectifiers. Attractive vinyl covering. 19 $\frac{1}{2}$ x22 $\frac{1}{2}$ x10 $\frac{1}{2}$ ". For 110-120 V, 40 Hz AC.

10 B 4785 U. Wt., 40 lbs. \$6 Monthly.....	114.95
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*All wattage power outputs are Music Power ratings



Deluxe 75-Watt* Two-Input Bass Amplifier

\$149.95
\$8 monthly

NEW!

- Our Most Powerful Bass Guitar Amplifier
- Two 12" Jensen Speakers with 3 $\frac{1}{2}$ " Tweeter
- Separate Bass, Treble and Volume Controls

If it's a powerful bass guitar amplifier you need, choose this 75-watt* unit featuring two 12" Jensen speakers and a 3 $\frac{1}{2}$ " tweeter. Pours out distortion-free music from 40-10,000 Hz. Has two inputs, separate bass and treble controls, plus a volume control. Easily replaceable pilot light and fuse. 4 tubes including two dual-purpose types for an effective 8-tube circuit plus 5 silicon rectifiers. 21 $\frac{1}{2}$ x26 $\frac{1}{2}$ x10 $\frac{1}{2}$ ". For 110-120 volts 60 Hz AC. Shpg. wt., 48 lbs.

10 B 4628 U. \$8 Monthly.....	149.95
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Professional Combo Instruments



**Amplifiers
With Built-in
Tremolo**

35-Watt* **A**
\$99⁹⁵ NEW!
 \$5 monthly



100-Watt* **B**
\$179⁹⁵
 \$9 monthly



A Lectrolab 35-Watt* Amplifier. Features tremolo with speed and modulation controls. 12" Jensen speaker. Four inputs. Two channels with separate tone and volume controls. 22x18x9". 110 VAC. Shpg. wt., 28 lbs. 10 B 4794 U. \$5 Monthly. 99.95

B Lectrolab 75-Watt* Amplifier. Two 12" Jensen woofers. 3 1/2" tweeter. Four instrument inputs, foot switch input. Two channels; 2 volume, 2 tone controls. Tremolo on both channels; modulation, speed controls. 5 tubes, 5 rect. Leatherette-finish case, 21 1/2 x 26 1/2 x 10 1/2". 10 B 4675 Z. Wt., 48 lbs. \$8 Monthly. 159.95

10 B 4630 Z, Lectrolab 100-Watt* Amplifier. Similar to above, but tremolo on one channel only permits using instrument or mike on other channel simultaneously. 8 tubes, 5 rect. Shpg. wt., 54 lbs. \$9 Monthly. 179.95

NEW!
\$39⁹⁵
 \$5 monthly



Solid-State Reverberation Unit

Can be used to enhance the sound from any musical instrument amplifier or PA amplifier. High-gain and low-gain inputs, 1 output jack. Reverb delay control. Foot switch jack. Fuse, pilot light. 3 1/2 x 15 x 5". 110 VAC. 10 B 4629 S. Wt., 6 lbs. \$6 Monthly. 39.95

- Voice Positions for Flute, Wood, Brass, Strings, Reed
- 49-Key Four-Octave Keyboard Featuring Bass Coupler
- Removable Legs • Weighs Only 55 Pounds • With Case

Add the "In" sound to your combo with this electronic organ. Small in size, yet gives you a complete 49-key "C" scale with coupler to drop bass octave to "G". Also has five voice positions for the added effects of flute, wood, brass, reed and string. Volume controllable from keyboard panel or foot pedal. Legs are removable for easy portability. Controls: vibration-off; vibrato speed; balance; on-off/volume. Pilot light. With legs, foot pedal, amplifier cord, vinyl cover. 5 1/2 x 31 1/2 x 14" closed. Less amplifier. For 117 VAC. 10 B 4634 ZF. Shpg. wt., 55 lbs. \$16 Monthly. 299.95

Organ Shipped Express from Chicago Warehouse.

Deluxe 75-Watt* "Piggyback" Amplifier and Two 12" Speakers

Built-In Reverb
and Tremolo ...
Nine Controls

\$199⁹⁵
 \$10 monthly



NEW!

Our finest instrument amplifier. Has two channels, total of 4 inputs with solid-state preamplifiers. Reverb has Channel-1 to Channel-2 switch and gain control. Foot switch and jack. Tremolo also has Channel-1 to Channel-2 switch, plus modulation and speed controls. Two sets of bass, treble and volume controls. Two Jensen 12" speakers and 3 1/2" tweeter in separate fully-enclosed tuned-port cabinet for powerful bass and crystal-clear treble. Pilot light and fuse. Two transistors, 8 tubes, 5 rectifiers. Amplifier, 8x26 1/2 x 10 1/2". Speaker enclosure, 21 1/2 x 26 1/2 x 10 1/2". Shpg. wt., 60 lbs. 10 B 4637 Z. \$10 Monthly. 199.95

Solid-State "Fuzz" Box

Introduces "fuzzy" sound effect to amplifier's speaker. Attack control varies effect. Volume control; foot switch. Battery powered; has battery-saver switch. 3 transistors. Order battery below (uses 1). 2 1/2 x 3 x 6". Input/output jacks. 2 lbs. 10 B 4635 S. \$5 Mo. 26.95 18 B 5870. Battery. 6 oz. 2/20¢

NEW!
\$26⁹⁵
 \$5 monthly



*Music Power Rating

Get the Swinging "Big Beat" Sound With This Electronic Organ

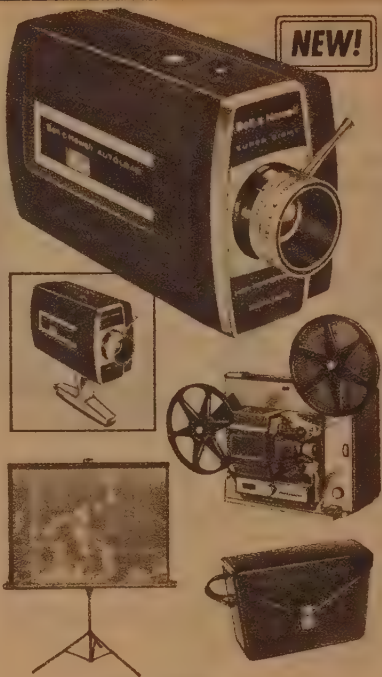
NEW!



Control Volume
from Keyboard
Panel or
Foot Pedal

\$299⁹⁵
 \$15 monthly
 Use with
Any Amplifier

NEW!



Bell & Howell Super-8 Movie Outfit with Zoom Camera

\$219⁹⁵ Save \$28.80

\$11 monthly

Separately, \$248.75

Super 8 Zoom movie outfit offers bright, sharp pictures. Model 430 camera features electric film drive, CdS electric eye for correct exposure every time, f/1.9 11-35mm manual Zoom lens. Focusing eye piece, automatic ASA settings, automatic filter setting.

Model 356 projector has f/1.6 lens, simplified Touch-Threading, framer, tilt control, automatic loop setter, single-frame advance, reverse control, rapid rewind, 400-ft. capacity. Built-in film cutter. Reel arms fold down for storage. With empty reel, and self contained case.

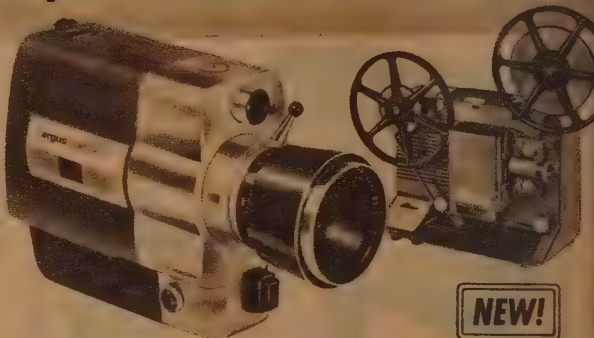
Also: Action Grip, Camera Case, 30x40" Screen on tripod, 4 batteries. 25 lbs.
 10 B 0055 L2U. \$11 Monthly.....219.95
 10 B 4437 S. Camera Alone. 3 lbs.....126.95
 10 B 4985 U. Projector Alone. 7 lbs.....84.95
 10 B 4986 S. Grip Alone. 1/2 lb.....16.95
 10 B 4987 S. Camera Case Alone. 3/4 lb.....11.95
 10 B 4983 U. Screen Alone. 7 1/2 lbs.....7.95

Kodak Super 8 Color Movie Film

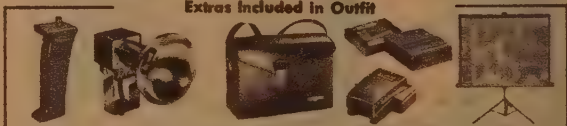
New improved Kodachrome II film in easy-to-load, drop-in cartridge. Allows continuous 50-foot runs without having to handle, thread or turn film over. For color pictures indoors or out. Shpg. wt., 6 oz. Fits Super 8 cameras only.
 10 B 4932 S.....3.15

Super-8 Cameras and Projectors, in Outfits Above,
 Take Only Super-8 Film

Super 8 Home Movie Outfits



Extras Included in Outfit



Argus Super 8 Zoom Movie Outfit

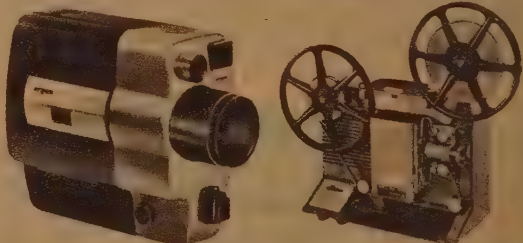
Save \$24.25 \$169⁹⁵
 Separately, \$194.20

- Uses Kodak Film Cartridge
- Zoom Lens with 3:1 Ratio

New instant-load Super 8 Camera has f/1.8 10-30mm Zoom lens, CdS electric eye lens control, electric film drive, through-the-lens reflex viewing. Projector has f/1.5 lens, single control for forward, reverse, still. 400' capacity. Outfit also has: film, film splicer, grip, batteries, light, case. 30x40"

tripod screen, 50' cartoon. Wt., 27 lbs.

10 B 0056 L3U. \$9 Monthly. 169.95
 10 B 4439 S. Camera. 3 lbs.....94.95
 10 B 4989 U. Proj. 13 lbs.....65.95
 10 B 4990 S. Light. 1 lb.....6.95
 10 B 4991 S. Case. 1 lb.....10.95
 10 B 4992 S. Grip. 1 lb.....7.45
 10 B 4436 U. Screen. 7 1/2 lbs.....7.95



Extras Included in Outfit



Argus 11-Piece Super 8 Movie Outfit

Save \$19.25 \$139⁹⁵
 Separately \$159.20 \$7 monthly

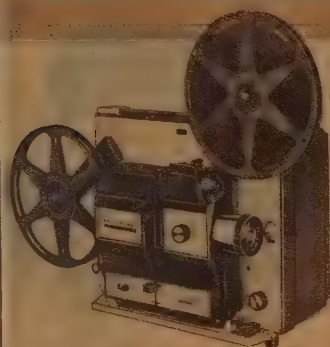
- Pushbutton Film Drive
- Electric Eye

Pushbutton Super-8 Camera has f/1.8 universal-focus lens; electric film drive, CdS electric eye lens control. Projector has color corrected f/1.5 lens, handy single-lever control, 400' capacity. Also: Extra Reel, roll of Film, Grip, Batteries, Case, Light, Splicer, 30x40" Tripod Screen,

50' Cartoon. Shpg. wt., 27 lbs.

10 B 0057 L3U. \$7 Monthly. 139.95
 10 B 4441 S. Camera. 3 lbs.....59.95
 10 B 4989 U. Proj. 13 lbs.....65.95
 10 B 4990 S. Light. 1 lb.....6.95
 10 B 4991 S. Case. 1 lb.....10.95
 10 B 4992 S. Grip. 1 lb.....7.45
 10 B 4436 U. Screen. 7 1/2 lbs.....7.95

Movie and Slide Equipment



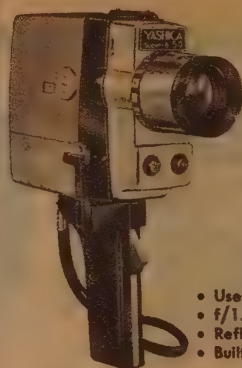
**Bell & Howell Autoload®
Compatible Zoom Projector**

\$149⁹⁵

\$8 monthly

**Shows Both Super 8
and Regular 8mm Movies**

With f/1.5 Filmovara Zoom
Lens That Lets You Enlarge
Pictures While Viewing



**Yashica 50
Super 8
Automatic
5:1 Zoom
Camera**

\$129⁹⁵

\$7 monthly

- Uses Super 8 Film
- f/1.7 Power Zoom
- Reflex Viewfinder
- Built-In Rangefinder

Drop in film, aim and shoot. Behind-the-lens CdS cell *automatically* gives perfect exposure every time. Battery drive for film and 5-to-1 Zoom lens. Control buttons zoom lens from wide angle to full telephoto for exciting close-ups. Has remote control, built-in Type A filter that disengages when movie light is mounted, and built-in battery check. With strap, grip, batteries. From Japan. Shpg. wt., 4 lbs.

10 B 4975 S. \$7 Monthly.....129.95

A full-feature movie projector for regular 8 and new Super-8 films. Just set selector to "Super" or "Regular" and interlock feature does the rest. Automatic threading from reel-to-reel. Dial focusing. Reverse control backs film to any point for review. Still-picture feature lets you view single frames without harming film. Takes up to 400' of film. Built-in film cutter handles either Super-8 or regular 8mm film. Cord storage compartment. With 3 Super-8 reel adapters, and 400' takeup reel. For 110-120 V, 60 Hz AC. Shpg. wt., 17 lbs.

10 B 4834 X. \$8 Monthly.....149.95
10 B 4433 U. Above with standard, not Zoom lens. \$7 Monthly.....129.95

Airequipt Remote-Control Slide Projectors

**Model 135 Remote-Control
Slide Projector**

\$59⁹⁵

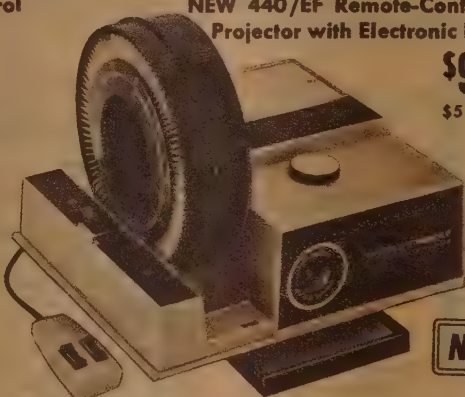
\$5 monthly



**NEW 440/EF Remote-Control Slide
Projector with Electronic Focusing**

\$99⁹⁵

\$5 monthly



NEW!

This low-priced slide projector features pushbutton remote-control forward/reverse and microfocus, 4" color-corrected 3-element lens, 500-watt lamp. Exhaust system keeps projector cool. Jamproof changer handles any type of 2x2" slide mounting. Comes complete with 100-slide circular tray. Uses any type of slide magazine listed below, including he slide stacker for viewing without a magazine. For 110-120 VAC. Wt., 8 lbs.

10 B 4811 X. \$6 Monthly.....59.95

New projector features full remote control and electronic focusing. You focus first slide by remote control, and others focus automatically. Touch/Glide microfocus provides pinpoint alignment. Pop-up editor lets you edit, preview, load slides with any magazine system; ends the upside-down slide. 500-watt lamp and 4" f/3.5 lens for extra-sharp pictures. Quiet-operating. Enclosed exhaust system prevents lamp from over-heating. Uses any of the magazine systems listed below. With 36-slide metal magazine. For 110-120 VAC. Wt., 13½ lbs.

10 B 4432 U. \$6 Monthly.....99.95

Accessories for Airequipt and Sawyer Slide Projectors

Airequipt Sound Synchronizer. Give your slide shows the dramatic impact of words and music. Connects to any Airequipt Remote-Controlled projector with any stereo tape recorder for a completely synchronized slide program. While recording, press Slide Advance button; this puts a "trip-signal" on one track, voice and music record on the other. On playback, slides change *automatically* at the designated time. With 9' cable, 2 adapters. Shpg. wt., 6 oz.

10 B 4435 S. \$6 Monthly.....24.95

New Airequipt 4" to 6" f/3.5 Zoom Lens. Fits all Airequipt slide projectors. Shpg. wt., 12 oz.

10 B 4434 S. \$5 Monthly.....34.95

10 B 4912 S. 100-Slide Round Magazine. 1 lb.....2.69

10 B 4827 S. 30-Slide Metal Magazine. ½ lb.....1.69

10 B 4828 S. 36-Slide Plastic Magazine. ½ lb.....1.39

10 B 4812 S. 40-Slide Stacker. ½ lb.....8.95

10 B 4899 S. 100-Slide Rototray (Sawyer's only). 1 lb.....2.29

Take Up to Two Years to Pay with Low Monthly Payments

ALLIED 147

Yashica Cameras, Photo Accessory Values



Save \$5.00

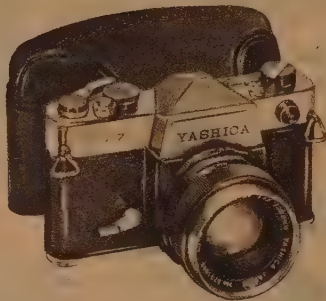
Lynx-14 35mm Camera

\$94.95

- Built-In CdS Meter
- Super-Fast f/1.4 Lens
- \$5 monthly
- Speeds to 1/500 Sec.

Was. \$99.95. Coupled CdS meter simplifies settings for perfect exposure. Extra-fast 45mm f/1.4 lens; shutter speeds 1-1/500 second. Parallax-corrected, coupled view/rangefinder. Single-stroke film advance. MX flash sync. Self-timer. Leather case. Japan. 10 B 4906 S. 5 lbs. \$5 Monthly. . . . \$94.95

Lynx-5000. As above, but with f/1.8 lens; speeds to 1/1000 sec. Case. 10 B 4895 S. Shpg. wt., 5 lbs. . . . \$75.95



J-7 35mm Single-Lens Reflex

\$154.95

- Thru-the-Lens Viewing
- f/1.7 Lens Focuses to 21"
- \$8 monthly
- Automatic Diaphragm

Popular camera offers depth-of-field preview and a host of other features. Pushbutton dual-range CdS meter cross-coupled to ASA (12-800) and shutter (1/1000-1 sec.). 50mm f/1.7 lens, screw-in mount. Self-timer, battery check. X and FP sync. Accessory shoe, leather case. Japan. Wt., 5 lbs. 10 B 4993 S. \$8 Monthly. . . . \$154.95
10 B 4905 S. Above, with faster f/1.4 lens. Wt., 5 lbs. . . . \$179.95



Our Finest SLR

New TL-Super 35mm SLR

\$189.95

- Thru-Lens Light Meter
- Fast 50mm f/1.7 Lens
- \$10 monthly
- Quiet Focal Plane Shutter

Features through-the-lens CdS light meter for perfect readings with any filter or lens combination. Fully automatic diaphragm, instant-return mirror. Speeds from 1/1000 to 1 second. Focuses close as 1 1/4 ft. ASA 25-800. Self-timer. Hot shoe flash contact. Automatic X, FP sync. Includes carrying case and strap. From Japan. Shpg. wt., 6 lbs. 10 B 4430 S. \$10 Monthly. . . . \$189.95



\$79.95

\$5 monthly



YASHICA

Atonor 9.5mm Miniature Camera Outfit

- Uses Cartridges
- Electric Eye
- Pocket Size

Ever miss that "once-in-a-lifetime" shot? You won't with this camera, that goes where you go. Automatically selects lens opening (f/2.8-f/16) and speed (1/45-1/250). Align dial with meter needle and shoot. Uses Minox-type film cartridges. Built-in Y2, UV filters. 4x/1 1/2". Weighs 4 oz. With 80B and 4X filters, flash, case. Japan. Shpg. wt., 3 lbs. 10 B 4998 S. \$5 Monthly. . . . \$79.95
Box of Two 36-Exp. Cartridges. 3 oz. 10 B 4999 S. Kodachrome II. . . . \$3.19
10 B 4802 S. XT Pan. . . . \$1.79



Deluxe Electronic Flash

\$39.95

\$5 monthly

- Eliminates Flashbulbs
- For Batteries or AC
- Rechargeable Batteries

Transistorized electronic flash. Kodachrome II Guide No.—40. Color temp., 6000°K. Flash, 1/2000 sec. Operate from batteries, 100-120 VAC, or 220-240 VAC. With univ. mtg. clamp, AC cord, PC shutter cord, 4 nickel-cadmium batts. For X sync. 10 B 4997 S. Japan. 3 lbs. . . . \$39.95



Low-Cost Electronic Flash

\$19.95

\$5 monthly

- Operates From Batteries or AC

Color temp., 8000° K. For "X" sync. Order 4 batteries below. Japan.

10 B 4915 S. Wt., 1 lb. . . . \$19.95
18 B 5425. Batts. 4 oz. . . . Pkg. of 2/66¢

Anso 20-Exposure 35mm Color Film

10 B 4913 S. ASA 50. 3 oz. . . . \$2.99
10 B 4914 S. ASA 200. 3 oz. . . . \$3.69

Sunset Lenses for 35mm Cameras



\$99.95



\$44.95



\$34.95



\$36.95

- A 85mm To 210mm f/4.8 Zoom Lens. Covers a 2 1/2 to 1 zoom range. Preset diaphragm, stops to f/22, tripod socket, focusing scale from 9 ft., rapid zoom lever. 6 3/4" long, weighs 20 oz. With dust cap, leather case. From Japan. 10 B 4443 S. Shpg. wt., 2 lbs. \$5 Monthly. . . . \$99.95
- B 300mm f/5.5 Telephoto Lens. 6x magnification. Preset, focuses from 25 ft. Tripod socket. 10 B 4431 S. 2 1/2 lbs. Japan. \$5 Monthly. . . . \$44.95
- C 135mm f/2.8 Telephoto Lens. Preset, focuses from 5 1/2 ft., stops to f/22. Dust cap. From Japan. 10 B 4995 S. Shpg. wt., 14 oz. \$5 Monthly. . . . \$34.95
- D 35mm f/2.8 Wide-Angle Lens. 63° angle. Focuses from 3-ft. Stops to f/16. Dust cap. Japan. 10 B 4994 S. Shpg. wt., 9 oz. \$5 Monthly. . . . \$36.95

Great Values in Allied's Own CB 2-Way Radios

CB TWO-WAY RADIO OFFERS SOMETHING FOR EVERYONE!

Any U.S. Citizen, 18 Yrs. of Age or Older, Can Use CB 2-Way Radio.

An Application is Enclosed with Each Unit—No Test Required

You can have two-way radio communications from your home to your car or boat, from your office to vehicles on the road. CB is useful anywhere... it's the fast, easy and convenient way to keep in touch.

Allied's Own
Model A-2530

\$109⁹⁵

\$6 monthly



A-2530 10-Channel Solid-State 2-Way Radio

- Up to 10 Crystal-Controlled Transmit/Receive Channels
- Dual-Conversion Receiver Manually Tunes 23 Channels
- Built-in 117 VAC and 12 VDC Power Supplies • Compact Size

This all-new Allied solid-state 2-way radio gives you many deluxe extras not expected at this moderate price. You get crystal-controlled transmit/receive on up to 10 channels, a deluxe dual-conversion receiver that can manually tune all 23 CB channels, and separately fused 117 VAC and 12 VDC power supplies. Ideal for mobile use—small size and low battery drain. Has excellent 1.0 μ V sensitivity for a 10 dB S/N ratio. Transmitter has full 5-watt RF input. Switchable 4-way meter reads car battery voltage, received signal strength, transmitter modulation level or RF carrier. Ten-position crystal selector, plus crystal/manual tune switch for receiver; manual tuning control; PA/squelch switch; on-off/volume control. For 50-ohm antenna. Screw terminals for PA/speaker connection; external speaker jack (plug supplied). Case, 2 $\frac{1}{2}$ x10x7". With push-to-talk dynamic mike, built-in speaker, mobile mtg. bracket, AC and DC power cords, carrying handle/stand, crystals for Channel 11. Shpg. wt., 8 lbs.

17 B 4825 X. From Japan. \$6 Monthly.....109.95

Extra Crystals. Specify Channel 1-23. Shpg. wt., 3 oz.

17 B 9394 CS. Transmit.....Each 2.50 3 and Up.....Each 1.94

17 B 9395 CS. Receive.....Each 2.50 3 and Up.....Each 1.94

SPECIFICATIONS

RECEIVER CIRCUIT: Sensitivity: 1.0 μ V for 10 dB S/N ratio. Selectivity: 40 dB or more at ± 10 kHz. Bandwidth: 5 kHz at 6 dB down. Frequency Stability: $\pm 0.005\%$ crystal-controlled (10 channels); $\pm 0.015\%$ continuous tuning (23 channels). AGC: 10 dB output variation at input of 30 μ V to 10 mV. Squelch: adjustable to open, 1-100 μ V. Noise Limiter: Gated series type. Max. Undistorted Audio Output: 2 watts or more. Image and Spurious Rejection Ratio: more than 40 dB. **TRANSMITTER CIRCUIT:** Final Input Power: 5 watts max. RF Output Power: 2.8 watts, minimum. Frequency Stability: $\pm 0.005\%$ crystal-controlled. Modulation: 95 (± 5)%. Spurious Ratio: better than 50 dB. Semiconductors: 16 transistors; 7 diodes, thermistor. Antenna Impedance: 50 ohms. Microphone Impedance: 2000-10,000 ohms (dynamic).

DELUXE EXTRAS



4-Way Meter
Function
Selector Switch



Accurate Meter
Reads Four Different Modes



Crystal-Manual
Tune Switch



On-Spot-Off
Spotting Switch



Easy-to-Read
Lighted Dial
Shows Channel

See Following Pages for More of Allied's Own 2-Way Radios

ALLIED 149

Allied A-2567 23-Channel CB 2-Way Radio

NEW!



Illuminated SWR/
Power/"S" Meter



Meter Function
Selector Switch

Set-Calibrate
Meter Control



Range Expander



Boosts Modulation for
More "Talk Power"



Front Panel Switch
Selects CB or PA Mode

A-2567 23-Channel CB 2-Way Radio Complete With All Crystals

- ✓ Solid-State AC and DC Power Supplies
- ✓ Frequency Synthesized—No Crystals to Buy
- ✓ Range-Expander for Extra "Talk-Power"
- ✓ Combined Modulation and Receive Monitor
- ✓ Dual-Conversion Superhet Receiver
- ✓ Boasts 10 Tubes, 13 Diodes, 2 Transistors
- ✓ Self-Regulating Automatic Noise Limiter
- ✓ Includes Noise-Canceling Microphone

\$179⁹⁵

\$9 monthly

*Includes Built-In SWR Bridge,
and Reflected Power Output—
Read From Illuminated Meter*

Allied's own deluxe all-new 23-channel 2-way radio featuring power supply for both 12 VDC mobile and 115 VAC base. A masterpiece in design and operation, with performance that surpasses many units priced much higher. Frequency-synthesis circuit gives you crystal-controlled transmit and receive on all 23 channels . . . no extra crystals to buy. Just turn the selector to any desired channel, and the illuminated numerals show the channel in use.

Full-power 5-watt transmitter offers 100% modulation. Switchable Range-Expander boosts "talk power" to increase transmitter range. Pi-network output matches any CB antenna. Special SWR bridge circuit lets you measure SWR for optimum antenna tuning. Illuminated 3-scale meter reads SWR, forward/reverse reflected power output, and serves as "S" meter. Dual-conversion superhet receiver has excellent selectivity and gain, with delta tuning circuit to pull in signals from stations operating up to 3 kHz off-frequency.

Serves as 2.5-watt public address amplifier with an external speaker. Modulation indicator doubles as monitor to prevent missed calls during PA use. Adjustable squelch; standby switch; built-in speaker; head-phone jack; noise limiter. 7 $\frac{1}{2}$ "x13 $\frac{1}{2}$ "x5 $\frac{1}{2}$ ". With all crystals, AC and DC power cords, noise-canceling push-to-talk mike with coiled cord, universal mobile mounting clips.

17 B 4435 X. Shpg. wt., 18 $\frac{3}{4}$ lbs. **\$9 Monthly 179.95**

A-2567 SPECIFICATIONS

RECEIVER CIRCUIT. *Sensitivity:* 0.5 micro-volt or better for 10 dB signal-to-noise ratio. *Selectivity:* ± 3 kHz for 6 dB. *Audio Output:* 2.5 watts. *Speaker:* 4-inch. *IF:* Two stages, dual conversion. Provision for use as a public address amplifier, using an external speaker.

TRANSMITTER CIRCUIT. *Power Input:* 5 watts. *Modulation:* 100% capability; Range-expander circuit. *Output:* Pi-network; matches any antenna type.

GENERAL Controls: Channel Selector Switch with illuminated channel indicator; Delta Tune; On/Off Volume; Squelch; PA/Receive Switch; Range Expander Switch; Meter Function Switch; Set-Calibrate. *Tube Complement:* 10 Tubes, 13 Diodes, 2 Transistors. *Power Requirement:* 115 volts AC, 50-60 Hz or 12 volts DC for mobile use.

Save on A-2567 23-Channel 2-Way Radio Outfits

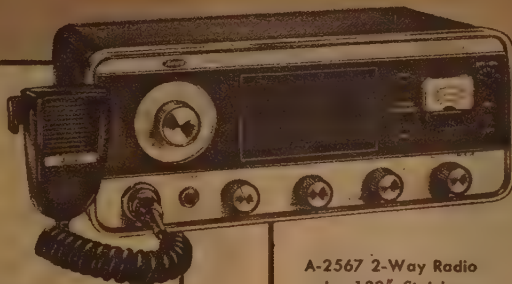
MOBILE OUTFIT

Save \$9.95

\$181⁹⁵

\$10 monthly

A-2567 and 3-in-1
Antenna that Replaces
Old AM Car Antenna



MOBILE OUTFIT

Save \$9.95

\$184⁹⁵

\$10 monthly

A-2567 2-Way Radio
plus 102" Stainless
Steel Antenna; cable
and Bumper Mount

A-2567 Mobile 2-Way Radio and Antenna Outfits

A-2567 WITH AM/FM/CB MOBILE ANTENNA

Separately, \$191.90. Offers everything needed for outstanding 23-channel mobile communications. Includes: Allied A-2567 23-Channel CB 2-Way Radio; 50" Telescoping AM/FM/CB Antenna with Coupler (reg. \$11.95, page 162); All Cables and Plugs. Special antenna offers excellent reception of AM, FM or CB radio. Installs without drilling or complicated wiring, simply replaces your old radio antenna. Solid-state coupler uses series-resonant circuit to isolate AM and FM from CB, requires no switching. Shpg. wt., 21 lbs.
17 B 0136 L2X, \$10 Monthly..... 181.95

A-2567 WITH 102" MOBILE ANTENNA

Separately, \$194.90. Deluxe mobile station provides reliable two-way communications on all 23 CB channels. Includes: Allied A-2567 23-Channel CB 2-Way Radio; Stainless Steel 102" Antenna with 20-ft. RG-58/U Foam Coax Cable and PL-259 Plug attached (reg. \$14.95, page 162). Antenna is complete with everything needed for immediate installation—high-tension spring, stainless steel bumper mount, cadmium plated hardware, cycloc insulator, cork mtg. pad, steel back up plate, chrome-plated ball. Shpg. wt., 26 lbs.
17 B 0135 L2X, \$10 Monthly..... 184.95

COLINEAR OUTFIT

Save \$10.45

\$199⁹⁵

\$10 monthly

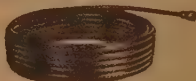


BEAM OUTFIT

Save \$10.45

\$214⁹⁵

\$11 monthly



A-2567 Base Station 2-Way Radio and Antenna Outfits

A-2567 WITH COLINEAR BASE ANTENNA

Separately, \$210.40. A great base station combination offering dependable fixed-location communications on all 23 CB channels. Includes: Allied A-2567 23-Channel CB 2-Way Radio; Knight KN-2572 Deluxe Colinear Antenna (reg. \$24.95, page 160); 50-ft. RG-58/U Foam-Dielectric Coax Cable (reg. \$5.50, page 162). Antenna mounts on 1 1/4" mast, has 19' 8" aluminum radiator (3/8" wave), with three 9' radials. Omnidirectional radiation pattern for uniform signal strength. Solid-state matching coupler for maximum signal transfer, VSWR of 1.2:1 or less. Offers 3 dB gain. Shpg. wt., 28 lbs.
17 B 0134 L3X, \$10 Monthly..... 199.95

A-2567 WITH 5-ELEMENT BEAM ANTENNA

Separately, \$225.40. Our finest base station package providing maximum-range CB communications on all 23 channels. Includes: Allied A-2567 23-Channel CB 2-Way Radio; Knight KN-2574 5-Element Beam Antenna (reg. \$39.95, page 160); 50-ft. RG-58/U Foam Coax Cable (reg. \$5.50, page 162); All Plugs. All-aluminum beam antenna provides unidirectional radiation for greatest range in desired direction and minimum interference. Each element is 18' 8 3/4", on 24-ft. boom. Features high forward gain (25 dB or better), gamma matching for low VSWR. For 1 1/2" dia. masts. Less mast. Shpg. wt., 29 lbs.
17 B 0133 L3ZW, \$11 Monthly..... 214.95

New 23-Channel CB 2-Way Radio from Allied

NEW!



Synthesized Circuit . .
All Crystals Supplied

\$149⁹⁵

\$8
monthly

New Allied A-2533 23-Channel Solid-State CB 2-Way Radio

- ✓ Ready to Operate On All 23 Channels
- ✓ Solid-State Switching—No Relays!
- ✓ Combination Power Output/"S" Meter
- ✓ Range-Expander for Extra "Talk Power"
- ✓ Pi-Network Matches Any CB Antenna
- ✓ Full Legal 5-Watt RF Power Input

A-2533 Portable CB 2-Way Radio Outfit

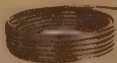
Save **\$9.45** Separately,
\$180.40

\$170⁹⁵ **\$8**
monthly

Separately, \$180.40. Complete and ready for long-range base station communications. Includes: A-2533 23-Channel CB 2-Way Radio; Deluxe KN-2572 Colinear Base Station Antenna; 50-ft. RG-58/U Coax Cable with Connectors; AC Power Supply for Base Station Operation.

The antenna is a 19' 8" high aluminum radiator, $\frac{3}{8}$ -wave for superior performance. Solid-state coupler for maximum signal transfer and 1.2:1 or less VSWR. Three 9-ft. radials give excellent radiation pattern. For

masts $1\frac{1}{4}$ – $1\frac{1}{8}$ ". Shpg. wt., $15\frac{1}{2}$ lbs.
17 B 0129 L3X. . . 170.95



Allied's latest and finest *solid-state* 2-way radio, engineered for the best possible performance on all 23 CB channels. The ultra-stable circuit—20 silicon transistors and 9 diodes—even includes solid-state transmit/receive switching eliminating mechanical relays. And this compact rig puts out the strongest signal you'll find at this low price, with Range-Expander circuit for greater "Talk Power" and pi-network output to match any antenna perfectly. Other deluxe features include: 5-watt input; 23-channel crystal-controlled transmit/receive; extra-sensitive superhet receiver with adjustable squelch; zener diode overload protection; tantalum capacitors for stability; power output/"S" meter. For 12 VDC negative ground. With mobile mtg. bracket, push-to-talk ceramic mike. Size, $2\frac{1}{2} \times 6\frac{1}{8} \times 9"$.

17 B 6440 X. Shpg. wt., 6 lbs. \$8 Monthly. 149.95
17 B 6438 X. AC Power Supply for A-2533. Wt., 4 lbs. 19.95

AM/FM/CB Mobile Outfit

Save **\$8.95** **\$152⁹⁵**
\$8 monthly

Separately, \$161.90. Replaces your old AM car antenna, handles AM and FM reception plus CB communications. Includes: A-2533 23-Channel 2-Way Radio; AM/FM/CB Antenna with tunable resonator and solid-state coupler for excellent performance; All Cables and Plugs for easy installation. $7\frac{1}{2}$ lbs.
17 B 0128 L2X. 152.95



A-2533 Mobile Outfit

Save **\$8.95** **\$155⁹⁵**
\$8 monthly

Separately, \$164.90. Provide 23-channel mobile communications at substantial savings. Complete package includes: A-2533 23-Channel 2-Way Radio; 102" Stainless Steel Whip Antenna with high-impact spring bumper mount, gutter clip and 20-ft. RG-58/U coax with PL-259 plug. 14 lbs.
17 B 0127 L2X. 155.95



23-Channel CB 2-Way Radio



23-Channel Capability . .
Packed With Features!

\$109⁹⁵ \$6
monthly

Knight KN-2522 23-Channel Solid-State CB 2-Way Radio

- ✓ Superhet Receiver Has 5 Tuned Circuits
- ✓ Fine-Tuning for Off-Frequency Signals
- ✓ Transmit Indicator Light • Large "S" Meter
- ✓ Maximum Legal 5-Watt RF Power Input
- ✓ Highly-Effective, Adjustable Squelch
- ✓ 14-Transistor, 9-Diode Circuit

Compact unit with advanced features and easy operation. Solid-state circuitry—14 silicon transistors and 9 diodes—for ultra-reliable operation. No need to get a heavy-duty battery or generator—it draws as little as 220 mA on receive, .25 amps on transmit. Other features include: 5-watt input; sensitive superhet crystal-controlled receiver; excellent selectivity and adjacent-channel rejection from 5 tuned circuits; adjustable squelch; 23-channel illuminated rotary switch; "S" meter. Automatic noise limiter effectively reduces pulse-type interference. Zener diode regulates voltages to all critical circuits. For 12/DC negative ground. With microphone/speaker, power cable and crystals or Channel 9. (Extra crystals, page 164.) 6 $\frac{1}{8}$ x8 $\frac{1}{2}$ x2 $\frac{1}{4}$ " 4 lbs.

7 B 6812. X. \$6 Monthly..... 109.95
7 B 6815. Mobile Mounting Bracket. For under-dash mount. 1 lb..... 3.95
7 B 9410 S. Package of 44 Crystals for 23-Channel Operation. Wt., 5 lbs.. 69.95

KN-2522 Portable CB 2-Way Radio Outfit

Save \$6.85 Separately,
\$150.80
\$143⁹⁵ \$8
monthly



Separately, \$150.80. Now you can be prepared for emergencies and reliable Citizens Band communications, no matter where you are. Lets you use your KN-2522 on vacations, wilderness treks, etc. With one easy-to-carry package.

Outfit includes: KN-2522 23-Channel 2-Way Radio; KN-2523 Portable Battery Pack with carrying strap, cable and plug; Portable Antenna that mounts on the battery pack for effective transmissions; and a Water Repellent Carrying Case for the entire outfit. Requires nine 1 $\frac{1}{2}$ -volt batteries, either rechargeable or dry. Order batteries on page 155. Wt., 8 lbs.
17 B 0707 L4X. \$8 Monthly.. 143.95

KN-2522 Mobile Outfit

Save \$118⁹⁵
\$5.95 \$6 monthly

Separately, \$124.90. Everything you need for mobile CB operation. Includes: KN-2522 23-Channel 2-Way Radio; 102" Stainless Steel Whip Antenna with bumper mount for easy installation, high-impact spring, rugged base and ball, gutter clip; 20-ft. RG-58/U Coax; PL-159 plug. 12 lbs.
7 B 0703 L2X..... 118.95



AM/FM/CB Mobile

Save \$115⁹⁵
\$5.95 \$6 monthly

Separately, \$121.90. Provides mobile CB communications plus radio reception. Tunable AM/FM/CB antenna-replaces your old AM car antenna, handles AM/FM and CB. Includes: KN-2522 23-Channel 2-Way Radio; Antenna; All Cables and Plugs for quick, easy mounting on any car. Shpg. wt., 5 $\frac{1}{2}$ lbs.
17 B 0137 L2X..... 115.95



New 12-Channel CB 2-Way Radio from Allied



Modern Compact Style . .
Solid-State Reliability

\$99⁹⁵ \$5
monthly

New Allied A-2507 Solid-State 2-Way Radio and Money-Saving Systems

- ✓ Up to 12 Crystal-Controlled Channels
- ✓ Built-In Communications-Type Speaker
- ✓ 13 Silicon Transistors, 9 Diodes
- ✓ Deluxe Dynamic Mike with Coiled Cord
- ✓ Full Legal 5-Watt RF Power Input
- ✓ Illuminated "Transmit" Indicator

Allied A-2507 Portable 2-Way Radio Outfit

Save **\$6.85** Separately,
\$140.80

\$133⁹⁵ \$7
monthly



Purchased Separately, \$140.80. Great for Citizens Band Communications while hunting, fishing, etc. Complete portable package is easy to carry, easy to operate. Provides dependable transmission and reception over surprising distances. Includes: A-2507 12-Channel CB 2-Way Radio; Portable Battery Pack; Portable Antenna; Water-Repellent Carrying Case.

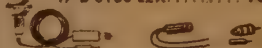
Battery pack comes with carrying strap, plug and cable. 8½x7x1½". Portable antenna mounts easily on battery pack, provides excellent medium-range radiation. Order alkaline or 1½-V batteries from facing page. Shpg. wt., 8 lbs.
17 B 0131 L4X. \$7 Monthly. **133.95**

New from Allied! A 2-way radio offering up to 12 crystal-controlled transmit-receive channels with all the features you've wanted for reliable CB communications. You get simple operation, an ultra-stable silicon transistor circuit (13 transistors and 9 diodes), a built-in 3½" speaker, and a rugged communications-quality push-to-talk mike, all in a compact case only 2½x8½x6½". Mount it anywhere—under the dash, in the glove compartment, even carry it for portable use. With illuminated channel selector dial and indicator that lights when you transmit. Superhet receiver has five tuned circuits for super selectivity and good adjacent-channel rejection, plus extra long-distance sensitivity. Series gate noise limiter cuts interference. Adjustable squelch silences speaker between calls. 12 VDC neg. gnd. With mike, power cable, Channel 9 crystals. (Extra crystals, dash mtg. bracket, on facing page.)
17 B 6790 X. Shpg. wt., 4 lbs. \$5 Monthly. **99.95**

AM/FM/CB Mobile Outfit

Save **\$106⁹⁵**
\$4.95 \$6 monthly

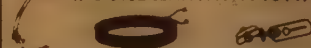
Separately, \$111.90. Provides on-the-go communications at a money-saving price. Special AM/FM/CB car antenna replaces your old AM antenna and handles AM and FM, plus CB. You get: A-2507 12-Channel CB 2-Way Radio; AM/FM/CB Antenna; All Cables and Plugs for Easy Mounting. 5½ lbs.
17 B 0130 L2X. **106.95**



A-2507 Mobile Outfit

Save **\$109⁹⁵**
\$4.95 \$6 monthly

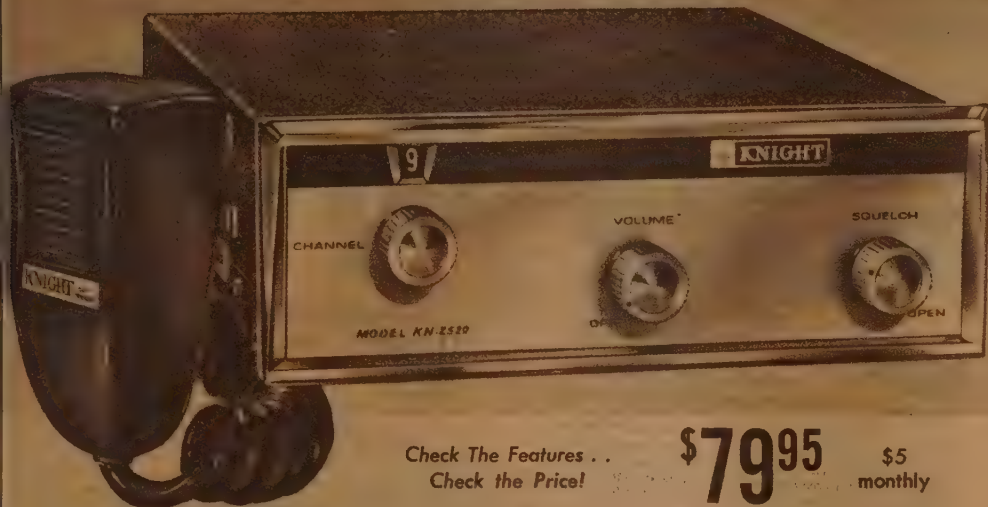
Separately, \$114.90. Everything you need for mobile CB communications. Includes the A-2507 12-Channel 2-Way Radio plus a full 120" Stainless Steel Antenna with high-impact spring, bumper mount, gutter clip, rugged base and ball, 20-ft. RG-58/U coax with PL-259 plug. Wt., 12 lbs.
17 B 0132 L2X. **109.95**



5-Channel CB 2-Way Radio



KNIGHT



Check The Features . .
Check the Price!

\$79⁹⁵ \$5
monthly

Value-Priced KN-2520 Solid-State 2-Way Radio and Money-Saving Systems

✓ Advanced Silicon Transistor Circuit ✓ Series-Gate Automatic Noise Limiter ✓ Adjustable Squelch

An ultra-compact 5-channel CB 2-way radio for those who want the best in modern styling, ease of operation, and quality engineering. Provides dependable communications on five crystal-controlled transmit and receive channels or almost any application—cars, trucks, boats, even motorcycles. Compact design permits easy installation. Outstanding features include: full maximum legal input of 5 watts, 3-watt output; superhet receiver that pulls in even weak signals; razor-sharp selectivity and adjacent-channel rejection achieved through tuned circuits; combination on-off/volume control; adjustable squelch; ve-channel rotary switch and indicator light; hand-held push-to-talk speaker/mike with coiled cord. $2\frac{1}{2} \times 6\frac{1}{2} \times 8\frac{1}{2}$ ". With comb. speaker/mike, power cable, crystals for Channel 9. For 12 VDC negative ground. Order dash mtg. bracket, extra crystals below.

7 B 6810 X. Shpg. wt., 4 lbs. \$5 Monthly. **79.95**

KN-2520 Portable CB 2-Way Radio Outfit

Save **\$3.85**

Separately
\$120.80

\$116⁹⁵

\$6
monthly



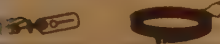
KN-2520 Mobile Outfit

Save **\$91⁹⁵**

\$2.95 \$5 monthly

Separately, \$94.90. Outfit includes Knight KN-2520 5-Channel CB 2-Way Radio and a 102" stainless steel whip antenna with easy-to-install bumper mount, high-impact spring, rugged base and ball, gutter lip, 20-ft. cable. 12 lbs.

7 B 0138 L2X. **91.95**



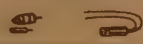
AM/FM/CB Mobile Outfit

Save **\$88⁹⁵**

\$2.95 \$5 monthly

Separately, \$91.90. Special AM FM/CB car antenna replaces your regular AM antenna, handles AM and FM radio reception plus CB communications. Includes: KN-2520 5-Channel CB 2-Way Radio; AM/FM/CB Antenna and Cables. $5\frac{1}{2}$ lbs.

17 B 0708 L2X. **88.95**



Take your KN-2520 2-way radio with you anywhere with this complete portable package. Knight KN-2520 5-Channel CB 2-Way Radio; Portable Battery Pack with carrying strap, plug and connecting cable; Portable Whip Antenna that mounts on battery pack for unusually efficient medium-range performance; Water Repellent Orange Carrying Case. Order alkaline or $1\frac{1}{2}$ -V batte. below. Shpg. wt., 8 lbs.

17 B 0710 L4X. \$6 Monthly. . **116.95**

ACCESSORIES FOR A-2507, KN-2520 AND KN-2522 2-WAY RADIOS

C Power Supply/Battery Charger. Charges battery pack.
7 B 6814 X. $2\frac{1}{2} \times 5\frac{1}{2} \times 8$ ". Wt., $3\frac{1}{2}$ lbs. **19.95**
orable Battery Pack. Uses 9 batteries, below. 2 lbs.
7 B 6813 X. \$5 Monthly. **24.95**
7 B 6638. Rechargeable Alkaline Batteries. Each **1.50**
8 B 5866. $1\frac{1}{2}$ -Volt Batteries. 2 ea. Pkg. of 2 for **33¢**

Water-Repellent Carrying Case. Orange color.
17 B 6816 X. Shpg. wt., 1 lb. **9.95**
17 B 6817 X. Portable Antenna. Wt., 1 lb. **5.95**
17 B 6815. Mobile Mounting Bracket. Wt., 1 lb. **3.95**
Crystals. 17 B 9394 CS. Transmit. 17 B 9407 CS. Receive.
Specify Ch. 1-23. Each. **2.50** 3 Up. Each **1.94**

Selected Values in Citizens Band 2-Way Radios

MULTI-ELMAC 23-Channel "Citi-Fone SS"



For Base or
Mobile Use

\$169.50

\$9 monthly

- Ready to Operate on All 23 Channels with Crystals Supplied
- Built-In Base/Mobile Power Supply

Here's a modest-cost 2-way radio ready for instant use at home or away, in car or boat, and wherever standard house current or 12-volt DC are available. Crystal-synthesized circuit provides 23-channel operation—you get all crystals! Receiver offers sensitivity of $0.5 \mu\text{V}$ for 10:1 S/N ratio, selectivity of 6 dB down for 7-kHz total bandpass, ANL, squelch. Cleanly modulated, 5-watt transmitter. Also: pi-net output, illuminated "S"/RF output meter. With crystals, power cords, bracket, mike, hanger. For 110-120 VAC or 12 VDC. $8\frac{1}{2} \times 11 \times 4\frac{1}{4}$ ". Shpg. wt., 15 lbs.

17 B 6661 X. \$9 Monthly. **169.50**

NEW!

HALLICRAFTERS CB-24



23-Channel Solid-State CB Transceiver

\$189.95

\$10 monthly

- Crystals for 23-Channel Operation
- All Solid-State with 21 Transistors, 8 Diodes and 4 Thermistors

Sturdy, solid-state unit engineered for instant warm-up, low battery drain and quieter, more dependable mobile reception. Double-conversion receiver, with squelch control and AGC, gives razor-sharp selectivity and superb adjacent-channel rejection. Typical sensitivity is $0.5 \mu\text{V}$ for 10 dB S+N/N. Transmitter utilizes efficient high-level Class B modulation with input of 5 watts and typical output of 3.5 watts. Illuminated channel selector. Combination meter reads signal strength and relative RF output. Provision for public address and hailing. Has 21 transistors, 8 diodes and 4 thermistors. With mike, 12 VDC. $2\frac{3}{8} \times 6 \times 8\frac{1}{2}$ ". Japan. 6 lbs.

17 B 6940 X. \$10 Monthly. **189.95**

NEW!

MULTI-ELMAC "Citi-Fone 23"



23-Channel Solid-State CB Transceiver

\$189.95

\$10 monthly

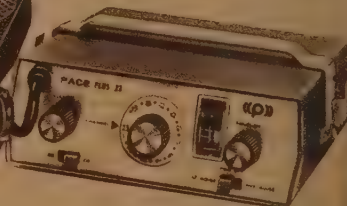
- 100% Silicon Solid-State Circuit
- Crystals for 23-Channel Operation
- Speech Clipping/Gating and High-Level Audio for Top Talk Power

Compact mobile unit features all-silicon-transistor circuit plus frequency synthesizer for full 23-channel operation with crystals supplied. Receiver highlights: optimum selectivity with high adjacent-channel rejection; $0.4 \mu\text{V}$ sensitivity for 10 dB S+N/N; dual RF/AF limiting; noise-immune, fast-acting squelch. Transmitter uses processed clipping and gating plus high-level audio for top intelligibility and range. Illuminated channel selector and dual-function meter. Built-in PA function. 29 transistors, 22 diodes. With mike, crystals, DC power cord, bracket, hardware. For 12 VDC. Extruded aluminum cabinet, $2\frac{5}{8} \times 6\frac{1}{2} \times 8\frac{1}{2}$ ". Shpg. wt., 4 lbs.

17 B 6650 X. \$10 Monthly. **189.95**

NEW!

PACE "Plus 23"



23-Channel Solid-State CB Transceiver

\$199.00

\$10 monthly

- 22 Silicon Transistors for Top Stability
- Crystals for 23-Channel Operation
- 100% Modulated with Compression
- AGC, Squelch, Two-Position Limiter

All-silicon-transistor 2-way radio for all 23 channels, crystal controlled. "Snap-Rak" mounting bracket installs easily in car—can be removed quickly for use in home, boat or truck. Full 5-watt input transmitter is 100% modulated with automatic speech compression for peak "talk power" and greater coverage. Double-conversion receiver has $0.3 \mu\text{V}$ sensitivity for 10 dB S+N/N. Includes full diode protection plus complete AGC at every stage, with 22 heavy-duty silicon transistors, lifetime-guaranteed circuit boards and computer-verified synthesizer. Also: variable squelch; two-position noise limiter. Provision for PA. With ceramic mike. For 12 VDC negative ground. $2\frac{3}{8} \times 6\frac{1}{4} \times 8\frac{1}{2}$ ". 6 lbs.

17 B 6525 X. \$10 Monthly. **199.00**

These Transceivers Come with Mikes and Coil Cords

for Every Purpose... for Every Purse

NEW! JOHNSON "Messenger 323" 23-Channel CB 2-Way Radio

- Solid-State Construction
- 23 Transistors, 15 Diodes
- Rugged, Compact Design

\$229⁹⁵

\$12 monthly



Top-notch 2-way communications for the CB'er! Frequency synthesizer gives you fingertip selection of 23 crystal-controlled channels. Dual-conversion receiver boasts crystal filter that virtually eliminates adjacent-channel interference, plus ANL and adjustable squelch. Temperature compensated. Full 5-watt input transmitter utilizes speech compression for more audio and greater range. "S" meter also shows transmitter power output. Built-in public address system. With ceramic mike and all crystals. For 12 VDC, pos. or neg. ground. Size, $2\frac{1}{2} \times 8 \times 9\frac{1}{8}$ ". 9 lbs.

7 B 6890 K. \$12 Monthly.....229.95
7 B 6471 X. 117 VAC Supply. 5 lbs.....32.95

- ✓ Precision 23-Channel Frequency Synthesizer Circuit
- ✓ Receiver Crystal Filter for High Selectivity
- ✓ Transmitter Speech Compression for More Audio and Greater Range with No Distortion, or Signal Splatter
- ✓ Double-Conversion Receiver Circuit • Built-In PA System
- ✓ Illuminated Dual-Dial Signal Strength/Power Output Meter
- ✓ FCC Type Accepted and DoT Approved



Exclusive Series Noise Gate, Triple-Amplified AGC, and Noise-Immune Squelch Circuit for Superb Mobile Reception

21 Silicon Transistors, 6 Diodes on Glass Epoxy Military-Type PC Board

NEW!

SONAR J-23 23-Channel 2-Way Radio

\$239⁹⁵

\$12 monthly

- Dual-Conversion Circuit
- Solid-State Construction
- Rugged, Compact Design

Husky, compact 23-channel unit designed for easy installation in any vehicle. Voltage-regulated, dual-conversion receiver has isolated series-gate limiter for positive noise elimination, triple-amplified AGC, and noise-immune adjustable squelch. Sensitivity is $0.7 \mu\text{V}$ for 10 dB S+N/N at 100% modulation. Final output transistor has 7-watt rated collector dissipation, high-level Class B modulation. Also: built-in 2×6 " oval speaker; reverse polarity protection; external speaker, public address mode delivers 2.5 watts audio output. With mike, all crystals, mounting bracket, fused power cable. For 12 VDC. Size, $6\frac{3}{4} \times 2\frac{1}{2} \times 8\frac{3}{4}$ ". $4\frac{1}{2}$ lbs.
17 B 6505 K. \$12 Monthly.....239.95

NEW!

Boosts Range Up to 30%

\$299⁰⁰

\$15 monthly

You Select Upper or Lower Sideband or Standard AM on 23 Channels
Offers 69 Reception Modes, 46 Transmission Modes
Base/Mobile Power Supply
Fully Compatible with Other CB Transceivers



REGENCY "Imperial" 23-Channel Sideband/AM CB 2-Way Radio

Amazing, advanced-design crystal-controlled 2-way radio operates on upper and lower sidebands as well as standard M. One switch lets you select either sideband or AM for reception of 69 signals on the 23 channels. Actually transmits 46 signals—DSB, suppressed carrier and balanced modulation for sideband reception, or AM with reduced carrier and high-level modulation. Compatible with any other CB 2-way radio. Double-conversion superheterodyne offers exceptional selectivity and sensitivity of 0.5

μV or less for 6 dB S+N/N on AM, $0.15 \mu\text{V}$ for 10 dB on SSB. Product detector gives superior reception of suppressed or reduced carrier transmissions. Five-watt input with high-level voice mod. on AM, suppressed carrier on DSB. Pi-L network matches 30-75 ohm ant. "S" meter also shows plate voltage and current. With mike, all crystals. For 117 VAC or 12 VDC. $11\frac{1}{2} \times 5\frac{1}{4} \times 9\frac{3}{4}$ ". 23 lbs.
17 B 6840 K. \$16 Monthly.....299.00
17 B 6845 X. Mobile Mounting Bracket. Wt., 2 lbs.....12.95

Values in Quality Citizens Band 2-Way



HALLCRAFTERS Solid-State CB-21

\$139⁹⁵

\$7 monthly

- Up to 8 Crystal-Controlled Channels
- Dual-Conversion plus Ceramic Filters

Hallcrafters "Reacter II" solid-state transceiver, features a dual-conversion receiver for razor-sharp selectivity. Provision for PA use. Adjustable squelch, plus AGC and noise limiter; 0.4 μ V sensitivity for 10 dB S/N ratio. Full 5-watt input. With mike and Channel 11 crystals. For 12 VDC neg. ground, 2 $\frac{3}{4}$ x 6 x 8". Japan. 17 B 6475 X. Shpg. wt., 6 lbs. \$7 Monthly. **139.95**



JOHNSON Solid-State "Messenger 100"

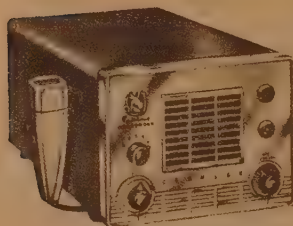
\$129⁵⁰

\$7 monthly

- Up to 6 Crystal-Controlled Channels
- Circuit Breaker • Adjustable Squelch

High-performance solid-state 2-way radio has provision for 6 crystal-controlled transmit/receive channels. Sensitive superhet circuit pulls in even weak signals. ANL and adjustable squelch. Five-watt input. Circuit breaker. Compact design, 2 $\frac{1}{2}$ x 6 $\frac{1}{2}$ x 8 $\frac{3}{4}$ ". With ceramic push-to-talk mike, crystals for Channel 9, and mounting bracket. For 12 VDC negative ground. 17 B 6950 X. Shpg. wt., 9 lbs. \$7 Monthly. **129.50**

Specially Selected CB 2-Way Radios At Popular Prices



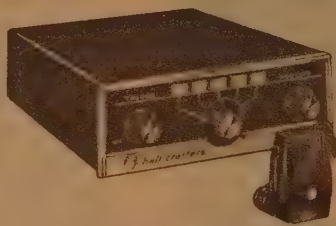
JOHNSON "Messenger I"

\$99⁹⁵

\$5 monthly

- 10-Tube Circuit
- Up to 5 Channels
- 115 VAC or 12 VDC

Sensitive superhet receiver with ANL and adjustable squelch. Transmitter operates at a full legal 5-watt input, fully modulated. Provision for and switch selection of up to 5 crystal-controlled transmit/receive channels; two function indication lights. Chrome trimmed case, 5 $\frac{1}{2}$ x 7 x 11 $\frac{1}{2}$ ". With PTT mike, AC and DC power cords, crystals for Channel 11. For 115 VAC or 12 VDC neg. gnd. 17 lbs. 17 B 9414 X. \$5 Monthly. **99.95**
17 B 9416. Mobile Mt. 1 $\frac{1}{2}$ lbs. **2.50**



HALLCRAFTERS CB-20

\$99⁹⁵

\$5 monthly

- Fully Solid-State
- Up to 5 Channels
- 1 μ V Sensitivity

Top-quality CB transceiver from Hallcrafters offers fully solid-state circuitry for rugged dependability. Small in size, yet gives full 5-watt input, and has provision for switch-selected 5-channel operation. Superhet receiver offers 1 microvolt sensitivity for 10 dB signal-to-noise ratio. Includes crystals for channel 11; trunnion mounting bracket; push-to-talk microphone. Size, 2 $\frac{1}{2}$ x 6 x 7". For 12 VDC neg. gnd. Shpg. wt., 4 lbs. 17 B 6446 X. \$5 Monthly. **99.95**



B & K "Cobra V"

\$99⁹⁵

\$5 monthly

- Fully Solid-State
- Up to 5 Channels
- Walnut Grain Panel

A compact mobile transceiver with a lot of power and punch. Full 5-watt input with 100% modulation on 5 switch-selected crystal-controlled channels. Dyna-Boost speech compression for better intelligibility, maximum range. Receiver features ANL, adjustable squelch, 0.5 μ V sensitivity for 10 dB S/N ratio. Twin-pi output. With ceramic mike. Channel 11 crystals, mtg. bracket. 2x6 $\frac{1}{2}$ x 9 $\frac{3}{4}$ ". For 12 VDC neg. gnd. 6 lbs. 17 B 6920 X. \$5 Monthly. **99.95**

EICO "Nova 23" Solid-State 23-Channel 5-Watt CB 2-Way Radio



\$189⁹⁵

\$10 monthly

- 23 Crystal-Controlled Transmit/Receive Channels
- All Crystals Supplied • Full 5-Watt Input
- Compact Design • Easy-to-Operate Controls

Solid-state two-way radio has frequency synthesizer for full 23-channel operation; 5-watt input and 3-watt output for excellent range and clarity; precision series-mode fundamental crystals for superior transmit and receive stability. Has three controls for easy use, "S" meter, transmit indicator light, 3x8x8 $\frac{3}{4}$ ". With power cord for 12 VDC neg. gnd., mobile mtg. bracket. 17 B 6990 X. Shpg. wt., 8 lbs. \$10 Monthly. **189.95**
17 B 6995 X. 120 VAC Power Supply for above. Wt., 5 lbs. **24.95**

Radios and Performance-Boosting Accessories

COMPLETE SELECTION OF TOP-QUALITY CITIZENS BAND EQUIPMENT



JOHNSON "Messenger III" 2-Way Radio

- Up to 12 Crystal-Controlled Channels
- Dual-Conversion Receiver
- 100% Modulation • PA Switch

\$159.95
\$8 monthly

Deluxe solid-state two-way radio offers up to 12 crystal-controlled transmit/receive channels. Dual-conversion receiver has 4.3 MHz first IF stage for excellent spurious signal rejection; 2-stage adjustable squelch. Full 5-watt input, 100% modulation. Panel switch controls change-over to 3-watt PA system while continuing to receive incoming calls. 50-ohm output. $2\frac{3}{4} \times 6\frac{3}{4} \times 8\frac{3}{4}$ ". With push-to-talk mike, transmit and receive crystals for Channel 9, mounting bracket. For 12-volt DC, positive or negative ground. (See page 164 for extra crystals.) 15 $\frac{1}{2}$ lbs.

17 B 6500 X. \$8 Monthly. **159.95**
17 B 6951 X. AC Power Supply. Wt., 4 lbs. **32.95**



MULTI-ELMAC
"Citi-Fone II" 2-Way Radio

- Ready to Go on the Air... Just Hook It Up to Your Car Radio
- 5-Watt Input • Up to 2 Channels

\$49.95 \$5 monthly

Unique 2-channel transceiver uses your car broadcast radio for second frequency conversion, IF, audio and speaker. Simply attach to antenna connector—won't affect radio performance. Five-watt input, high level modulation, double pi output, 1 μ V sensitivity for 10 dB S/N. For 12 VDC neg. gnd. $4\frac{3}{8} \times 1\frac{1}{2} \times 5\frac{1}{4}$ ". With mike, mtg. bracket, crystals for Channel 9.

17 B 6447 X. Shpg. wt., 3 lbs. \$5 Monthly. **49.95**
17 B 6451. Antenna Coupler. For AM antenna. 1 lb. 9.95
Extra Crystals. Specify Chan. 1-23. 3 oz.
17 B 9960 CS. Rec. Ea. 2.50 17 B 9961 CS. Xmit. Ea. 2.50

Selected Accessories for Improved CB Performance



\$15.95



\$3.95



\$16.95



\$14.95

A Ameco LN-2 TVI Filter. Reduces TV/FM interference. 52-75 ohm. 80-239 connectors, bracket. 17 B 8454. Wt., 1 lb. **3.95**

B Johnson Antenna Matchbox. Provides a nearly perfect match between transceiver and antenna system. Matches any SWR of up to 5:1, and reduces it 1:1 or less. Handles 15 watts. $4 \times 3\frac{1}{4} \times 2\frac{3}{8}$ ". Shpg. wt., 3 lbs. 17 B 6802. **15.95**

C Demco VM-12-20 Power Modulator. Double "talk-power"—CB or ham. Rated to 1 kW; with 110-120 VAC cable, 12 lbs. 17 B 8347 X. \$5 Monthly. **41.00**
17 B 6406 DC Cable, 1 lb. **2.25**

D Ameco PV-27 Nuvostr CB Preamp. High-gain; use ahead of converter stage. 2 dB noise at 27 MHz. Req. 110-150 VDC at 8 mA; 6.3 V. $1\frac{1}{2} \times 2 \times 3$ ". 17 B 6421. Wt., 1 lb. **13.95**

E "Blitz-Bug" Lightning Arrestor. Type 83 connectors. 4 oz. 17 B 8044. **3.95**

F Knight Compressor/Preamp. Increases talk power, range. Boosts lower levels, limits higher. Use as low-level, low-distortion preamp for low and hi-Z mikes. Transistorized. With battery, cable, connector. 17 B 6204. Wt., 3 lbs. **16.95**

G Johnson Antenna Meter. Insures maximum range. 3 lbs. 17 B 8954. **14.95**

H Johnson In-Converter. Converts 6 VDC to 12 VDC; 12 VDC to 24 VDC; etc. Changes negative ground to positive; pos. to neg. Solid-state. $6 \times 2\frac{1}{2} \times 3\frac{3}{4}$ ". 17 B 6803. Wt., 3 lbs. **22.95**

J SWR/FS Meter. Reads forward and reflected power; SWR, 1:1 to 10:1. Also shows field strength. Rated for 1 kW, 2-30 MHz. $\pm 5\%$. From Japan. 10 oz. 17 B 6588. **9.95**

K Field-Strength Meter. 1.6-150 MHz. Magnet base. 12 $\frac{3}{4}$ " whip. $3\frac{1}{2} \times 2\frac{1}{2} \times 1\frac{1}{2}$ ". Japan. 17 B 6589. Wt., 10 oz. **5.95**



\$41.00



\$13.95



\$3.95



\$22.95



\$9.95



\$5.95

KNIGHT® CB Antennas for Base Stations

KNIGHT DELUXE ANTENNAS WITH COAX OFFERS SAVE YOU MONEY



100' RG58/U
Only \$4 More



With PL-259 Plug
at Each End

Save \$4.95

\$43⁹⁵

\$5 monthly

For Vertical
or Horizontal
Operation

KN-2574 5-Element Beam Antenna

Antenna Alone

\$39⁹⁵

\$5 monthly

- Full-Length 24' Boom Permits Spacing for Highest Gain
- High-Performance Beam Antenna
- 25 dB Front-to-Back Ratio

Feature-for-feature this high-performance five-element antenna is the best value anywhere in an all-aluminum beam. The 24-ft. boom allows optimum spacing of elements for maximum gain. Elements are 18' 8 $\frac{3}{4}$ " long and radiate a near-perfect directional pattern.

Antenna delivers high forward gain of 12.3 dB and has excellent front-to-back ratio of 25 dB or better to help eliminate interference from other stations. Gamma matching for low VSWR with 52-ohm coaxial cable. Can be used vertically or horizontally. Wind load, 62 lbs. For 1 $\frac{1}{2}$ " dia. mast. Shipped express.

17 B 0779 L2ZW. With 100' Coax. 28 lbs.....43.95
17 B 9398 ZW. KN-2574 Alone. 24 lbs.....39.95
11 B 2442 W. Alliance U-100 Rotator System. (Not illustrated.) Shpg. wt., 12 lbs.....28.78
11 B 1237. 4-Cond. Rotator Cable. 100'. 3 lbs.....2.89
17 B 6884. 100' RG58/U With Connectors. 4 lbs.....8.95



Antenna
Alone

\$9⁹⁵

With 50' Coax



\$12⁹⁵

Save \$2.50

Special-Value Ground Plane

- Omnidirectional Radiation
- Three Radials for Wide Pattern
- Solid Aluminum Construction

KN-2505. Economically-priced Citizens Band ground-plane antenna provides long-range omnidirectional coverage. Consists of one 9-ft. solid-aluminum radiator, and 9-ft. solid-aluminum radials. Provides unity gain. 52-ohm impedance. Antenna is simple to install, can be mounted against a chimney or on a mast. Mounts on masts of 1 to 1 $\frac{3}{4}$ " diameter. Rust-resistant hardware. Includes 50' of RG58/U coaxial cable with PL-259 connectors attached. 8 lbs.

17 B 0051 L2X. With Coax.....12.95
17 B 6758 X. KN-2505 Alone. 6 lbs. 9.95
17 B 6883. 50' RG58/U Coaxial Cable with Connectors. Wt., 2 lbs.....5.50



Antenna
Alone

\$13⁹⁵

With 50' Coax



\$16⁹⁵

Save \$2.50

Our Most Popular CB Antenna

- Top Hat for Low Noise Level
- DC Ground Lightning Protection
- 5-dB Circuit Gain • Low VSWR

KN-2570. Outperforms many CB antennas that cost much more. Has exclusive clover-leaf top hat for lowest possible noise level. Unique beta match places entire antenna at DC ground for protection from lightning. 52 ohms. Five-dB circuit gain. 1.5:1 VSWR. Nine-ft. seamless aluminum radiator, three 9-ft. durable-aluminum radials. For masts 1 $\frac{1}{4}$ to 1 $\frac{3}{4}$ " dia. Rust-resistant hardware. Includes 50' of RG58/U coaxial cable with PL-259 connectors attached. 8 lbs.

17 B 0341 L2X. With Coax.....16.95
17 B 6700 X. KN-2570 Alone. 6 lbs. 13.95
17 B 6883. 50' RG58/U Coaxial Cable with Connectors. Wt., 2 lbs.....5.50



Antenna
Alone

\$24⁹⁵

With 100' Coax



\$28⁹⁵

Save \$4.95

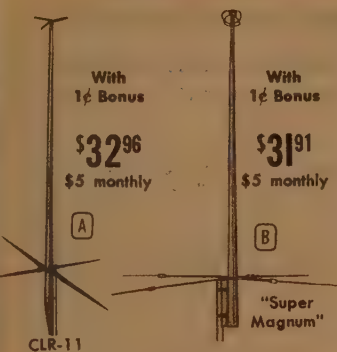
Deluxe Colinear Antenna

- $\frac{3}{4}$ -Wave for Longest Range
- Solid-State Matching Coupler
- Excellent Radiation Pattern

KN-2572. Our finest Citizens Band antenna. 19' 8" aluminum radiator is $\frac{3}{4}$ -wave for superior performance. Solid-state matching coupler for maximum transfer of signal. 6-dB circuit gain; 1.2:1 or less VSWR. Clover-leaf top hat discharges static. Center skirt for broadband operation. DC ground for lightning protection. Three 9-ft. radials. For masts 1 $\frac{1}{4}$ -1 $\frac{3}{4}$ " dia. Rust-resistant hardware. Includes 50' of RG58/U coaxial cable with PL-259 connectors attached. 9 $\frac{1}{2}$ lbs.

17 B 0122 L2X. With Coax.....28.95
17 B 6702X. KN-2572 Alone. 7 $\frac{1}{2}$ lbs.24.95
17 B 6884. 100' RG58/U Coaxial Cable with Connectors. Wt., 4 lbs.....8.95

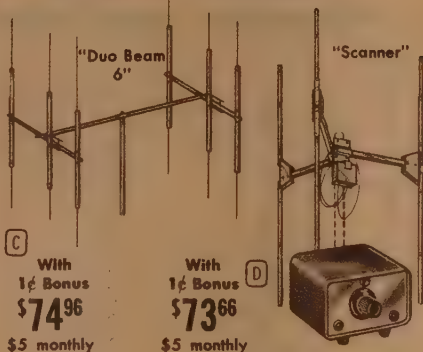
Maximum-Efficiency CB Base Antennas



ANTENNA SPECIALISTS

1¢ BONUS

Save \$5.49
50' RG-58/U Coax Cable with Two PL-259s for 1¢ More



HY-GAIN

ANTENNA SPECIALISTS

- A** Hy-Gain CLR-11. Omnidirectional vertical ground-plane antenna. $\frac{1}{2}$ -wavelength for best performance. Has 3.4 dB gain—8 dB circuit gain. SWR of 1.2:1. 52-ohm impedance. Heavy-duty aluminum construction. Radiator, 19' 10"; three 9' radials. For $1\frac{1}{4}$ to $1\frac{1}{2}$ " dia. masts.
17 B 0936 L2X. With Coax. 12 lbs. \$32.96
17 B 6422 X. CLR-11 Alone. 10 lbs. \$32.95
- B** Antenna Specialists M-117. Omnidirectional antenna boasts 3.75-dB gain. Has minimum 6 dB signal-to-noise improvement. Orbital ball improves reception by reducing static noise. Designed with Hi-Q phasing. Very low angle of radiation. 52 ohms. For up to $1\frac{1}{2}$ " dia. masts.
17 B 0939 L2X. With Coax. 15 lbs. \$31.91
17 B 6496 X. M-117 Alone. 13 lbs. \$31.90

- C** Hy-Gain "Duo-Beam 6" Antenna. Six-element beam with over 12-dB gain. Front-to-back ratio 23 dB or better. VSWR 1.5:1. Beta matched. 52-ohm impedance. DC ground. Longest element, 18' 6 $\frac{1}{2}$ ". Boom length, 12' 2". Antenna has a turning radius of 9 $\frac{1}{2}$ ". Requires heavy-duty rotator. For $1\frac{1}{2}$ " dia. mast. Shipped express.
17 B 0063 L2ZW. With Coax Bonus. Shpg. wt., 34 lbs. \$5 Monthly. \$74.96
17 B 8342 ZW. "Duo-Beam 6" Alone. Shpg. wt., 32 lbs. \$74.95
- D** Antenna Specialists M-119 Beam Antenna. Phased-beam CB antenna is directional without the use of an antenna rotator. You rotate the signal electronically for maximum range, not the antenna. Control box selects three directions, indicated by neon bulbs, or "off." Provides 7.75 dB gain. 23 dB F/B. Three 17 $\frac{1}{2}$ " aluminum verticals; spaced 120°. 52 ohms. For $1\frac{1}{2}$ "-2" mast. Requires 4-wire rotator cable. Express.
17 B 0064 L2ZW. With Coax Bonus. Shpg. wt., 20 lbs. \$5 Monthly. \$73.66
17 B 6754 ZW. M-119 Alone. Shpg. wt., 18 lbs. \$73.65
- 50' RG-58/U Coaxial Cable Alone. With two PL-259 connectors.
17 B 6883. Shpg. wt., 2 lbs. \$5.50



SHAKESPEARE

G

Two-Section
 $\frac{1}{2}$ -Wave Coaxial
Antenna Stands
125-mph Winds

Big Stick
\$31.60
\$5 monthly

HY-GAIN

H

Save \$2.50

With 50' Coax
\$24.95
\$5 monthly

CB3

E Cush-Craft "Trik Stik" Dipole Antenna

Amazing antenna can be adjusted for use on CB as well as business radio, Amateur, TV, aircraft, and more. May be used polarized either vertically or horizontally. Feed line can be 300-ohm twin-line; or 52 or 72-ohm coaxial cable. Supplied complete with assembly instructions, all hardware, U-bolt and bracket for mast mounting.
17 B 8670 X. Shpg. wt., 3 lbs. \$6.45

F Cush-Craft CR-1 "Ringo" 3.75-dB Gain Antenna

Half-wave vertical antenna covers 30 channels with 1:1 SWR. Uses exclusive "power-ring" tuning for full circle gain. 52-ohm direct coaxial feed. Features full signal capture area, lower angle of radiation. 3.75 dB gain. Aluminum tubing construction, 17' 10" high. With solid-hold telescope clamps and phenolic base insulator.
17 B 8662 X. Shpg. wt., 6 lbs. \$18.95

G Shakespeare 176 "Big Stick" CB Antenna

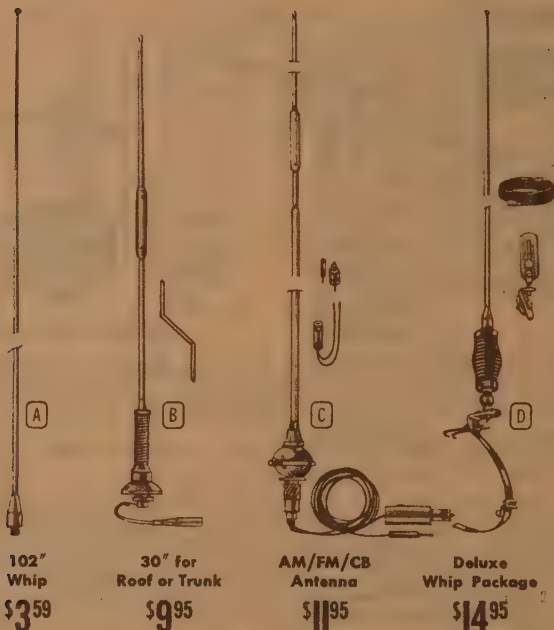
Dependable half-wave two-section antenna. Center-fed for low-angle signal. White fiberglass top whip and lower section with choke stub in base. Protected from severe weather. 18 $\frac{1}{2}$ -ft. overall. U-bolts for mounting on $1\frac{1}{2}$ " dia. pipe. Female SO-239 UHF connector takes standard PL-259 coax plug. 50 ohms. Wt., 8 $\frac{1}{2}$ lbs. Shipped express.
17 B 6368 ZW. \$5 Monthly. \$31.60

H Hy-Gain CB3 Three-Element Beam Antenna

Delivers 8-dB forward gain; 20-dB average F/B ratio; and 30 dB F/S ratio. 52-ohm coaxial feed. Half-wavelength taper-swaged seamless elements on an 8 $\times$ 1 $\frac{1}{2}$ " seamless aluminum boom. Hardware iridite treated. With 50' of RG58/U coaxial cable, two PL-259 connectors. Express.
17 B 0886 L2ZW. With Coax. Wt., 17 lbs. \$5 Monthly. \$24.95
17 B 8344 ZW. CB3 Alone. Wt., 15 lbs. \$21.95

KNIGHT CB Mobile Antenna Values

PLUS MOUNTS, COAX, FILTERS, OTHER MOST-WANTED ACCESSORIES



102"
Whip
\$3⁵⁹

30" for
Roof or Trunk
\$9⁹⁵

AM/FM/CB
Antenna
\$11⁹⁵

Deluxe
Whip Package
\$14⁹⁵

High-Efficiency Mobile Antennas

- A** 102" Stainless Steel Whip. Fine taper-ground steel. $\frac{3}{8}$ "-24 stud. Shpg. wt., 2 lbs. Shipped express. 17 B 6610 ZW.....3.59
- B** 30" Antenna for Car-Top or Trunk. Chrome-plated brass, center-loaded antenna for fine performance and convenient compact size. Resonator is tunable for perfect match, and is weather-sealed. Stainless steel spring prevents antenna damage. Bracket is included for trunk-groove mounting, without visible holes. Complete with 18-ft. RG-58/U cable and two mounting wrenches. Shpg. wt., $1\frac{1}{2}$ lbs. 17 B 6756 X.....9.95
- C** AM/FM/CB Antenna. Chrome-plated brass antenna for CB transmit-receive and AM and FM broadcast reception. Resonator tunable for best CB reception. Matching coupler uses a series-resonant circuit to isolate CB from AM/FM. No switching required. Auto radio tunes in original manner. 50" telescoping antenna with 8-ball base for 1-hole mount. With coupler, 60" leads with all connectors. Shpg. wt., $1\frac{1}{2}$ lbs. 17 B 6757 X.....11.95
- D** 102" Antenna Package. Outstanding quality at a low price. Whip and mount are stainless steel, ball and spring are triple chromed. Package consists of: 102" whip; high-impact spring; base and ball; bumper mount; gutter clip; 20-ft. RG-58/U coaxial cable with PL-259 plug. Rust-proof whip is of finest taper-ground stainless steel. Rugged base, ball and spring are built to "take it." Shpg. wt., 8 lbs. 17 B 6705 X.....14.95

High-Quality Coaxial Cable and Mobile Antenna Accessories

Low-Loss Foam-Dielectric Coaxial Cable Assemblies



Low \$2⁹⁵ 20 Ft.
As RG-58/U

Top-quality, ready-to-use coaxial cable assemblies complete with attached connectors. Feature polyethylene foam dielectric to cut line loss, increase antenna-system efficiency and boost your operating range.

RG 8/U 50-Ohm Coax. PL-259 plugs on both ends.
17 B 8519. 50' Coil. 7 lbs.....8.50
17 B 8522. 100' Coil. 11 lbs.....13.95

RG58/U 53.5-Ohm Coax. PL-259 each end, except *PL-259 one end, split lugs other.
17 B 8530. 20' Coil*. 1 lb.....2.95
17 B 8883. 50' Coil. 2 lbs.....5.50
17 B 8884. 100' Coil. 4 lbs.....8.95



E Generator Noise Filter. Screens out annoying whine and grinding noises created by generator brushes. Tunable from 3 to 30 MHz. Comes with mounting bracket. Shpg. wt., 5 oz. 17 B 8512.....2.35

F New! Alternator Noise Filter. Non-tunable filter designed to eliminate receiver noises caused by car alternator systems. Not critical as to frequency or voltage—operates on any voltage up to 32 V. Wt., 2 oz. 17 B 8410.....3.25

G New! Line Matcher. Compact unit provides low SWR, near-perfect match and superb power transfer to antenna for maximum CB range. Features 100-watt power capacity, broadband tuning, screwdriver adjustments. Has two SO-239 connectors. Size, $3\frac{3}{4}$ "x $1\frac{1}{2}$ "x2". Shpg. wt., 4 oz. 17 B 8375.....8.95

H Body Mount. Stainless ball adjustable 180°. Steel back-up plate. Shpg. wt., 3 lbs. 17 B 6607.....5.95

J Gutter Clip. Holds whip-type antenna down when not in use. Plastic holder swivels on cadmium-plated clamp. Shpg. wt., 8 oz. 17 B 6611.....7.95

K Stainless-Steel Spring. $\frac{3}{8}$ "-24 threads. Shpg. wt., 3 lbs. 17 B 6608.....2.79

L Heavy-Duty Stainless-Steel Spring. Offers superior strength and durability, $\frac{3}{8}$ "-24 threads. Shpg. wt., 4 lbs. 17 B 6609.....8.95

M Bumper Mount. Stainless-steel strap. Chrome-plated ball, 1 lb. 17 B 6606.....5.95

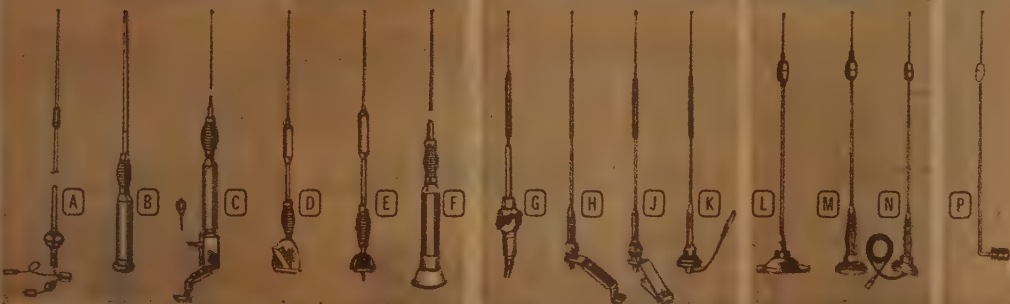
CB Mobile Antennas and Accessories

ANTENNA SPECIALISTS

NEW-TRONICS

HY-GAIN

KNIGHT



A M-103 Combination CB/Broadcast-Band Antenna. Center-loaded telescoping antenna. Chrome-plated. Single-hole body mount. Includes divider, all cables, plugs. 4 lbs.
17 B 9459 X. 17.20

B M-125 Roof Mount Antenna. 40" base-loaded stainless steel antenna, stainless steel spring. Snap-in $\frac{3}{8}$ " hole mtg. 16' RG58/U, PL-259. 2 lbs.
17 B 6631 X. 16.37

C M-123 Antenna. (Not illus.) As above, less spring. 2 lbs. 14.31

C M-127 Trunk-Groove-Mount Antenna. 40" base-loaded stainless steel antenna and spring. Snap-in $\frac{3}{8}$ " hole mount. With 16' RG58/U, PL-259. 3 lbs.
17 B 8340 X. 17.98

D M-131 Gutter-Mount Antenna. Center-loaded antenna; low VSWR. 18" high. $2\frac{1}{2}$ " stainless steel spring. 10' RG58/U, PL-259, clip. 2 lbs.
17 B 8338 X. 15.97

E M-130 18" Car-Top Antenna. Center-loaded antenna with tuning adjustment. Low VSWR. $2\frac{1}{2}$ " stainless steel spring. 16' RG58/U, PL-259. $\frac{3}{8}$ " snap-in mount. 2 lbs.
17 B 8339 X. 11.86

F M-176 Trunk Mount Antenna. "Quick-Grip" mount—no holes to drill. Base loaded. Stainless steel antenna spring. VSWR 1.5:1 or better. 16' RG58/U, PL-259. 3 lbs.
17 B 8645 X. 23.27

G TCS-27-M CB/AM/FM Whip. 2 telescoping sections. No AM or FM degradation. Weatherproof, tunable resonator. With automotive ball base and matching harness. $1\frac{1}{2}$ lbs.
17 B 8392 X. 13.98

H TGF-27-L Trunk-Groove Mount Antenna. Strong, flexible fiberglass antenna, 48" long. With mounting hardware, 16' coax. PL-259. $1\frac{1}{2}$ lbs.
17 B 8395 X. 11.58

I RTG-27-L Gutter-Mount Antenna. 25" long, chrome-plated split-ball base. Installs without tools. Tunable resonator. With 12' RG58/U, PL-259 conn. 2 lbs.
17 B 8398 X. 12.98

K RTS-27-L Roof Mount Antenna. 30" long. Chrome-plated brass tubing, stainless steel spring. No soldering. 18' RG58/U, PL-259. $1\frac{1}{2}$ lbs.
17 B 8485 X. 11.98

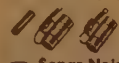
L TQRMB "Magna-Topper." Unique Alnico magnet base mount holds antenna firmly in place. No holes to drill. Hy-Q loading coil. Stainless steel radiator; adjustable tuning rod. Pretuned for maximum efficiency, lowest SWR: 28" overall. With 16' coax. PL-259 connector. 1 lb.
17 B 8414 X. 15.95

M TRQS "Shorty-Topper" Roof Mount Antenna. Short 19" height. Stainless steel radiator and lifetime adjustable tuning rod. Hy-Q loading coil. $\frac{3}{8}$ " single hole mount. With shock spring, mount, 16' coaxial cable, PL-259 conn. 1 lb.
17 B 8418 X. 15.50

N TQRDX "DX-Topper" Roof Mount Antenna. High-performance antenna. 50" overall height. Stainless steel radiator; lifetime adjustable tuning rod. Hy-Q loading coil. $\frac{3}{8}$ " single hole mount. With shock spring, mount, 16' coaxial cable and PL-259 connector. Wt., $2\frac{1}{2}$ lbs.
17 B 8490 X. 16.95

P Portable Antenna. Efficient 18" center-loaded CB antenna. Has right-angle UHF connector. 2 lbs.
17 B 6817 X. 5.95

Performance-Improving Citizens Band Station Accessories

 R Sonar Noise Suppressor \$5.95	 S Johnson Noise Suppressor \$15.50	 T PL-259's 4 for \$1.59
 U Dummy Load \$1.50	 V Trunk Mount \$3.98	 W Coaxial Switch \$7.95

R Sonar Noise Suppressor Kit. Includes 4 capacitors; coil resistor. With instructions. Shpg. wt., 2 lbs.
17 B 6001. 5.95

S Johnson Noise-Suppressor Kit. Includes all necessary capacitors, resistors, wire. Shpg. wt., 2 lbs.
17 B 6010. 15.50

T PL259 Coaxial Connectors. Meet military specifications. New, not replated. Shpg. wt., 8 oz.
17 B 6643. Pkg. of 4 for 1.59

U Cesco "Phantom" Dummyload. 52 ohms. With standard UHF connector. Power rating ample for any CB transceiver. Shpg. wt., 6 oz.
17 B 8505. 1.50

V Trunk Mount. Chrome-plated steel. Trunk groove mount. Wt., 8 oz.
17 B 8955X. 3.98

W Coaxial Switch. 2-pole; 5 position: 1 kW. For 80-10 meters; including 11-meter CB. Wt., 3 lbs.
17 B 6444. 7.95

"Transcheck"
Relative Power
Output/SWR Meter

\$19.95

\$5 monthly

For Continuous
In-line Measurement
of Power Output/
SWR



CB-52-T In-line Transcheck. For 52-ohm coax lines. Ideal for tuning transmitter plate circuit and adjusting antenna loading capacitor for maximum output. Has sensitive microammeter calibrated in SWR. No line loss or detuning when inserted in the feed line. Accurately calibrated and balanced. $5\frac{1}{2} \times 2\frac{1}{2} \times 2\frac{1}{2}$ ". Shpg. wt., $2\frac{1}{4}$ lbs.
17 B 8160. 19.95

CTS/Knights Quality CB Crystals At Low Prices

PRECISION-GROUND CRYSTALS FOR ALL POPULAR CB EQUIPMENT

CTS/Knights crystals are manufactured under the most exacting conditions. They are inspected at each step of their assembly to guarantee crystals that are second to none, exceeding FCC requirements with .003% tolerance. Crystals listed for manufacturer's CB models are either precision 3rd overtone or series-resonant types as indicated

in manufacturer's specifications. Each crystal is supplied in a protective plastic box. *In tables below indicates no crystal required. **To Order:** Use stock number indicated in tables below and specify channel desired, 1-23. Shpg. wt., 3 oz. (Channels May Be Assorted for Quantity Price.)
Each.....2.50 3-Up.....Each 1.94

Standard Size
H17 .050" Pins



Miniature Size
H3 .039" Pins



Miniature Size
H3W .017" Wire Leads



Standard Size
H17L .093" Pins



Crystals for Allied, Knight, and Lincoln Citizens Band Equipment and Walkie-Talkies

Model No.	Stock No.	
	Transmit	Receive
KN-2500, KN-2550, KN-2580	17 B 9366 CS	17 B 9358 CS
A-2507, KN-2520, KN-2522	17 B 9394 CS	17 B 9409 CS
A-2530	17 B 9394 CS	17 B 9395 CS
L-2540, L-2541, L-2542, A-2543,	17 B 9369 CS	17 B 9401 CS
A-2544, A-2545	17 B 9366 CS	17 B 9360 CS
KN-2585	17 B 9366 CS	17 B 9360 CS
KN-2590	17 B 9354 CS	17 B 9360 CS

Model No.	Stock No.	
	Transmit	Receive
L-2700	17 B 9353 CS	17 B 9375 CS
L-2700A	17 B 9366 CS	
L-2710	17 B 9369 CS	17 B 9375 CS
Knight-Kit C-22, C-560	17 B 6602 CS	17 B 9358 CS
Knight-Kit C-540	17 B 6602 CS	
Knight-Kit C-555, KG-4000A	17 B 9353 CS	17 B 9365 CS
Knight-Kit Safari II, III, IV	17 B 9394 CS	17 B 9409 CS

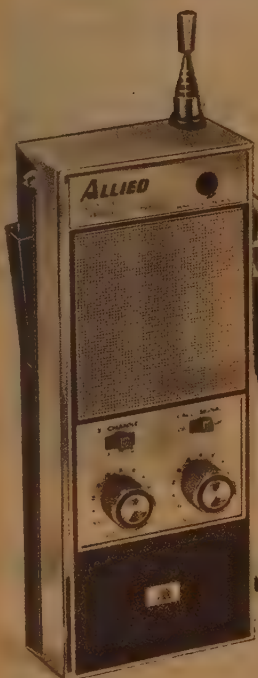
Crystals for Other Popular Citizens Band Equipment and Walkie-Talkies

Manufacturer and Model	Stock No.	
	Transmit	Receive
Allstate—see Sears-Roebuck		
Amphenol 510B	17 B 6600 CS	17 B 6601 CS
Amphenol 600, 625, 650, 675	17 B 6600 CS	17 B 9963 CS
B&K Cobra 5	17 B 9394 CS	17 B 9409 CS
Cadre 500	17 B 9394 CS	17 B 9370 CS
Cadre 510, 510A, 515, 520	17 B 6600 CS	17 B 6601 CS
Citifone 5A, 6, 7, 11, 99	17 B 9371 CS	17 B 9372 CS
Courier AGS200	17 B 9366 CS	17 B 9358 CS
Courier Fleet, A-58	17 B 9354 CS	17 B 9363 CS
Courier TR-S, TR-8	17 B 6600 CS	17 B 9401 CS
Courier 12	17 B 9366 CS	17 B 9363 CS
Demco Satellite	17 B 6604 CS	
Demco Chalet	17 B 9369 CS	17 B 9401 CS
Demco Ravette	17 B 6604 CS	17 B 9378 CS
Demco TRI000, R1050, F1050	17 B 9366 CS	17 B 9358 CS
E.C.I.—see Courier		
E. F. Johnson Personal Messenger	17 B 9353 CS	17 B 9375 CS
E. F. Johnson Messenger I, II	17 B 9352 CS	17 B 9362 CS
E. F. Johnson Messenger 100, 110	17 B 9394 CS	17 B 9401 CS
E. F. Johnson Messenger III, 300	17 B 9394 CS	17 B 9963 CS
Eico 770-772, 777	17 B 9371 CS	17 B 9356 CS
Eico Sentinel 12, 712	17 B 9366 CS	17 B 9360 CS
Fanon DCL-50, RCB-10, FCB 11, 12, 13, 55, 90, 91, L-1000, L-2000	17 B 9394 CS	17 B 9401 CS
General MC1, MC2, MC3	17 B 9366 CS	17 B 9363 CS
General MC4, MC5, MC6, EM5, EM6	17 B 9354 CS	17 B 9363 CS
General Echo 9	17 B 9369 CS	17 B 9401 CS
Globe CB100	17 B 9366 CS	17 B 9357 CS
Globe CB100A	17 B 9366 CS	17 B 9363 CS
Globe CB200	17 B 9350 CS	17 B 9357 CS
Hallcrafters CB2, CB3A, CB5A, CB7, CB9, CB10, CB17, CB27	17 B 9352 CS	17 B 9359 CS
Hallcrafters CB12, CB19, CB21	17 B 6600 CS	17 B 9407 CS
Hallcrafters CB6	17 B 9353 CS	17 B 9375 CS
Hallcrafters CB20	17 B 6600 CS	17 B 6603 CS
Heath CB2, GW10, 11, 12, 22, 32, 34, 42, MW30, MW33	17 B 9366 CS	17 B 9360 CS
Heath G14, GW21, GW52, GRS-65A	17 B 9353 CS	17 B 9365 CS
Int'l Executive 50, 100, 100A, 100C, 100D, CTZ-50, CTZ-SA2, CTZ-5B2	17 B 9354 CS	17 B 9374 CS
Knight and Knight-Kit—see table above		
Lafayette HE20, 20A, 20B, 20C, 23, 43B, 43C, 65, 90, 43	17 B 9366 CS	17 B 9358 CS

Manufacturer and Model	Stock No.	
	Transmit	Receive
Lafayette HE20T, HA450	17 B 9394 CS	17 B 9401 CS
Lafayette HE29, 29A, 29B, H10TC, HE31, HE66, 82, 83	17 B 9366 CS	17 B 9363 CS
Lafayette HE29C, HA60, HA62, HE75, HE85, HE86, HE88, HA99, HE100, HA130, HA135, HA150, HE210, HA295, HA300, HA303, HA711	17 B 9369 CS	17 B 9401 CS
Lafayette HB111, HB200	17 B 9354 CS	17 B 9358 CS
Lafayette "Comstat 9"	17 B 9354 CS	17 B 9363 CS
Lafayette "Comstat 19"	17 B 9377 CS	17 B 9363 CS
Lincoln—see table above		
Lloyds TA08, TA11, 8A22	17 B 9369 CS	17 B 9401 CS
Metrotek "Colt 23"	17 B 9408 CS	
Metrotek "Mustang," 65 & II, "Pacer"	17 B 9354 CS	17 B 9360 CS
Metrotek "Pacer II"	17 B 9408 CS	17 B 9409 CS
Midland 13-105, 13-106, 13-108, 13-110, 13-111, 13-120, 13-124B, 13-132, 13-133, 13-143, 13-150, 13-410, 13-430, 13-775, 2910	17 B 9369 CS	17 B 9401 CS
Monarch TC900, TC66	17 B 9369 CS	17 B 9401 CS
Olson Spotter 1, 2, RA530	17 B 9366 CS	
Olson RA396, RA442	17 B 9366 CS	17 B 9358 CS
Olson RA446	17 B 9369 CS	17 B 9401 CS
Olson RA482, RA52	17 B 9366 CS	17 B 9363 CS
Olson 717	17 B 9354 CS	17 B 9360 CS
Pace I, II, IIs, 5000	17 B 6600 CS	17 B 9406 CS
Pearce Simpson Companion III	17 B 9394 CS	17 B 9401 CS
Raytheon TWR5, 6, 7, 8, 9, 11	17 B 6600 CS	17 B 6603 CS
RCA Mark VIII, IX	17 B 6602 CS	17 B 9359 CS
RCA Mark X	17 B 6600 CS	17 B 9406 CS
Realistic CBK1, TRC27A	17 B 9366 CS	17 B 9363 CS
Radio Shack—see Realistic		
Regency—see Metrotek		
Sears-Roebuck Cat. No. 6450, 6455	17 B 9369 CS	17 B 9401 CS
Sears-Roebuck Cat. No. 6550	17 B 9352 CS	17 B 9359 CS
Sears-Roebuck Cat. No. 6552	17 B 6600 CS	17 B 9407 CS
Sears-Roebuck Cat. No. 6556	17 B 9394 CS	17 B 9401 CS
Sears-Roebuck Cat. No. 6558	17 B 9394 CS	17 B 9963 CS
Sonar E (below serial no. 915)	17 B 9377 CS	17 B 9363 CS
Sonar E (above serial no. 915)	17 B 9377 CS	17 B 9378 CS
Sonar G	17 B 6604 CS	17 B 9378 CS
Sonar H	17 B 9368 CS	17 B 9378 CS
USL TR1000, TR1050, Contact 6	17 B 9366 CS	17 B 9358 CS
USL Contact 8	17 B 9354 CS	17 B 9358 CS

New! Allied High-Power Walkie-Talkies

BEST VALUES IN PORTABLE 3-CHANNEL 2-WAY RADIOS



\$47⁹⁵ \$5
monthly

1-Watt 3-Channel 13-Transistor Walkie-Talkie with "Call Signal"

- "Call Signal" Alerts Other Units
- Variable Squelch • AGC Circuit
- Metal Case with Die-Cast Front

A2543. Best value anywhere in a deluxe 1-watt walkie-talkie. Crystal-controlled transmit and receive with 3-channel capability. "Call Signal" tone alerts other similar units to receive your call. Superhet receiver has RF stage for strong reception. Squelch silences speaker between calls. Battery-Condition/Output meter. Telescoping antenna. Input jacks for optional battery charger, ext. antenna. AC adapter, mike, earphone. Metal case, 8 1/2 x 3 1/2 x 2". Ch. 11 crystals. Order 8 penlite cells or 1 rechargeable battery pack from accessories below. From Japan. 2 lbs.

17 B 9801 S. \$5 Monthly..... 47.95



\$59⁹⁵ \$5
monthly

2-Watt 3-Channel 15-Transistor Walkie-Talkie with "Call Signal"

- Metal Cabinet • 11-Section Antenna
- Full Panel of Accessory Jacks
- Includes Deluxe Leather Carrying Case

A2544. Perfect where greater range and more dependable communication are a must! Built to last, it employs a heavy-duty precision-wired circuit board. 2-watt input with 100% modulation is effectively converted to powerful output. Tuned RF stage for sensitive reception. Full, variable squelch quiets receiver between calls. "Call Signal" alerts other similar units when you call. 11-section antenna. Battery/Power meter. Metal cabinet, 8 1/4 x 3 1/4 x 2 1/4". Order 8 penlite cells or 1 rechargeable battery pack from accessories below. Channel 11 crystals. leather case. 2 lbs. Japan.

17 B 9802 S. \$5 Monthly..... 59.95



\$69⁹⁵ \$5
monthly

Our Best 2-Watt Walkie-Talkie with 3 Channels, "Call Signal"

- High-Efficiency 16-Transistor Circuit
- Dynamic Mike and 2 1/2" PM Speaker
- Dual Meter • ANL • Push-Pull Audio

A2545. Handheld "power house" for longer range communication—20 times more powerful than conventional 100 mW units! Variable squelch, push-pull output, automatic noise limiter. "Call Signal" alerts other similar units to your call. 11-section telescoping antenna. Input jacks for optional battery charger. AC adapter, earphones. Case is all die-cast metal in black and chrome. 10x3x2 1/4". Separate speaker and dynamic mike. With crystals for Channel 11, shoulder and hand straps. Order 8 penlite cells or 1 rechargeable battery pack from accessories below. From Japan. 2 1/2 lbs.

17 B 9803 S. \$5 Monthly..... 69.95

GET THE MOST FROM YOUR WALKIE-TALKIE WITH THESE USEFUL ACCESSORIES

Extra Transmit Crystals. Channel 1-22—specify. Wt., 3 oz.
17 B 9369 CS..... Each 2.50 3 or More..... Each 1.94
Extra Receive Crystals. Channel 1-22—specify. Wt., 3 oz.
17 B 9401 CS..... Each 2.50 3 or More..... Each 1.94
Rechargeable 12-V Nickel-Cadmium Battery Pack. Wt., 11 oz.
17 B 9769 S..... 11.95

Combination AC Adapter and 12-V Battery Charger. Wt., 1 lb.
17 B 9712 S..... 22.95
12-Volt Battery Charger. Shpg. wt., 6 oz.
17 B 9643..... 5.95
Penlite Batteries. 8 required. Shpg. wt., 4 oz.
18 B 5870..... Pkg. of 2 for 20¢

You Get Far More for Your Walkie-Talkie Dollar at Allied

ALLIED 165

Our Lowest Price Ever for a Superhet Walkie-Talkie



8-Transistor Walkie-Talkie

\$11.95

Includes
Crystals

- Sensitive Superheterodyne Receiver
- No License or Permit Required
- Can Be Used By Anyone—No Age Limit

Lloyds 7A11. Value-priced factory-assembled, ready-to-use walkie-talkie! Has features usually found only on walkie-talkies costing much more. Sensitive superhet receiver for top performance, greater range. Meets FCC requirements for unlicensed 100-mW operation. Telescoping-type antenna. Volume control with on-off switch; push-to-talk switch.

Quality 2" PM speaker provides clean sound; serves as combination speaker/mike. 8 transistors. Durable, tough plastic case with handsome black wrinkle and chrome finish. $2\frac{5}{8} \times 6 \times 1\frac{1}{4}$ ". Complete with handy, detachable carrying strap, 9-volt battery and transmit and receive crystals for Channel 9. Extra crystals at right. From Japan. Shpg. wt., 1 lb. **11.95**
17 B 9773 S.



\$14.95

\$22.95

\$5 monthly

Two-Channel Walkie-Talkies

6-Transistor Superheterodyne

Midland 13-410. Two channels give top performance at low cost. Superhet receiver with efficient 100-mW transmitter make this an ideal unit for a low-cost communications system. Has on-off volume control, push-to-talk switch, telescoping antenna, earphone jack, combination speaker/mike. No license required for operation.

Charger jack lets you charge rechargeable batteries (see accessories on facing page) without removing battery from walkie-talkie. High-impact plastic case, $5\frac{1}{2} \times 2\frac{1}{2} \times 1\frac{1}{4}$ ". With carrying strap, 9-V battery, Ch. 11 crystals. Extra crystals below. Japan.
17 B 9724 S. Wt., 1 lb. **14.95**

10-Transistor Call-Signal

Midland 13-430. Value-packed 10-transistor walkie-talkie boasts two-channel versatility and Call Signal for selective communication. Has battery charger jack, AC adapter jack, earphone jack (see accessories, facing page). Sensitive superhet receiver and powerful 100-mW transmitter make this an exceptional walkie-talkie value.

High-sensitivity dynamic speaker/mike for excellent voice reproduction. On-off volume control, push-to-talk switch, telescoping antenna. Metal-back case, $5\frac{1}{2} \times 2\frac{1}{2} \times 1\frac{1}{4}$ ". With carrying strap, 9-V battery, Channel 11 crystals. Extra crystals below. Japan.
17 B 9718 S. 1 lb. **22.95**

9-Transistor 2-Channel Walkie-Talkie With AC Adapter



\$19.95

\$5 monthly

- No License or Age Limit
- Superhet Receiver
- Complete with Case

Lloyds 7A08. Offers the added versatility of two-channel operation. Provides excellent communications with full 100-mW transmitter and sensitive superhet receiver. On-off volume control, push-to-talk switch. Telescoping antenna. Chromed plastic case, $2\frac{5}{8} \times 5\frac{1}{2} \times 1\frac{1}{4}$ ". With sturdy carrying case, AC adapter, 9-V battery, crystals for Channel 9. Extra crystals below. From Japan. 1 lb.
17 B 9774 S. **19.95**

Crystals. Channel 1-23—specify. Wt., 3 oz.
17 B 9369 CS. Transmit Crystal. Each 2.50
17 B 9401 CS. Receive Crystal. Each 2.50



\$32.95

A \$5 monthly



\$29.95

\$5 monthly

\$79.95

\$5 monthly

C



Deluxe CB Walkie-Talkies

A 12-Transistor 3-Channel with Call Signal

Lloyds 8A22. 12-transistor walkie-talkie in the new square-design case for comfortable grip. Three-channel capability. Call signal alerts other walkie-talkies of same type. Separate speaker and microphone. Full 100-mW transmitter input. Push-to-talk switch. Sensitive superhet receiver boasts squelch control. Sturdy 49" telescoping antenna. Battery indicator shows condition of batteries at a glance. Diecast metal cabinet, 9 $\frac{3}{8}$ x2 $\frac{3}{4}$ x2 $\frac{3}{8}$ ". With carrying strap, earphone, six 1 $\frac{1}{2}$ -volt penlight cells, Channel 9 crystals. Extra crystals, right. From Japan.

17 B 9720 S. Shpg. wt., 2 lbs. \$5 Monthly.....32.95

B 12-Transistor 3-Channel with Call Signal

Midland 13-124B. 12-transistor walkie-talkie with deluxe features and modern styling. Offers 3-channel versatility. Call-signal "buzzes" other units of same type. Separate speaker and microphone for clearer voice reproduction. Super-sensitive receiver boasts tuned RF stage. Squelch control. Powerful 100-mW transmitter. Locking push-to-talk switch. Jacks for earphone, AC adapter, and charger (see accessories, right). Metal cabinet, 7 $\frac{1}{2}$ x2 $\frac{3}{4}$ x2 $\frac{3}{8}$ ". With leather carrying case, battery holder (order 8 penlight cells, below), Channel 11 crystals. Extra crystals, right. From Japan.

17 B 9715 S. Shpg. wt., 1 $\frac{1}{2}$ lbs. \$5 Monthly.....29.95

C Two-Watt 2-Channel with Isolated Chassis

Midland 13-133C. Professional-quality walkie-talkie—20 times the power of 100-mW units. Dependable 13-transistor circuit features superhet receiver with tuned RF and four IF stages. Variable squelch, automatic noise limiter, automatic volume control. Isolated chassis permits use with 12-volt auto cable (at right) from auto cigarette lighter. Call signal "buzzes" other units of same type. 60" telescoping antenna. Has jacks for earphone, AC adapter, external microphone, and battery charger (see accessories at right). Metal case, 8 $\frac{1}{2}$ x4x2 $\frac{3}{4}$ ". With leather carrying case, shoulder strap, earphone, crystals for Channel 7. Extra crystals at right. Order 8 penlight cells, below. From Japan. Shpg. wt., 2 $\frac{1}{2}$ lbs.

17 B 9710 S. \$5 Monthly.....79.95

18 B 5870. Penlight Cells, 4 oz.....Pkg. of 2 for 20¢

Walkie-Talkie Accessories

Rechargeable 9-V Battery/Charger. Lead-acid wet cell and charger. Replaces 2U6, 216, VS-323 batteries. Up to 15 hours on a charge.

17 B 8260. Japan. 3 oz.....3.49

17 B 8261. Extra Lead-Acid Battery. Shpg. wt., 2 oz.....1.69

9-V AC Adapter. AC adapter for 9-V walkie-talkies. Japan. 8 oz.

17 B 9767 S.....4.95

12-V Auto Cable. Powers walkie-talkie through auto cigarette lighter. For units with isolated chassis.

17 B 9645. Japan. 4 oz.....1.95

110 VAC Adapter. Provides 12 VDC for 100-mW walkie-talkies.

17 B 9640. Japan. 8 oz.....4.95

Rechargeable Nickel-Cadmium Battery. 12-volts. Recharge up to 75 times.

17 B 9769 S. Japan. 11 oz.....11.95

12-V Battery Charger. For nickel-cadmium battery above. From Japan.

17 B 9643. Wt., 8 oz.....5.95

Dow-Key DK-210 Adapter. Adapts mobile antenna to walkie-talkie. 1 oz.

41 B 5907.....1.50

Crystals. Channel 1-23—specify channel desired. 3 oz.

17 B 9369 CS. Transmit.....Each 2.50

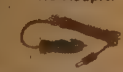
17 B 9401 CS. Receive.....Each 2.50



9V Batt. Charger.



9V AC Adapter



12V Auto Cable



AC Adapter



Rechargeable 12V Battery

NEW!

Quality Communications Equipment

MAXIMUM-POWER WALKIE-TALKIE, VHF MONITORS**Powerful 5-Watt 6-Channel Walkie-Talkie
With Call-Signal For Effective Communication****\$99⁹⁵ \$5
monthly****Now! A Hand-Held Walkie-Talkie with
The Power of a Base or Mobile Station**

- Tuned RF and Four IF's
- 17-Transistor, 3-Diode Circuit

- Use As PA Mike and Amplifier
- Isolated Chassis for Mobile Use

Midland 13-755. Newest in CB walkie-talkies—has the power of a base station. Deluxe 17-transistor circuit boasts full legal 5-watt input. Superhet receiver has tuned RF and four IF stages for 1.2 μ V sensitivity at 10 dB S/N. AGC prevents distortion from powerful signals; boosts weak signals. Variable squelch. Selector switch for 6 crystal-controlled channels. Call-Signal tone alerts other units of this type. Combination speaker/mike. Push-to-talk switch. Switch converts unit to PA mike and amplifier.

Isolated chassis permits operation in 12-volt vehicles through external power jack. External antenna jack matches any standard 50-ohm CB antenna. Battery charger jack permits charging of rechargeable battery without removing it from walkie-talkie. Other jacks for extension speaker, earphone, PA speaker, external mike. Heavy-duty telescoping antenna extends to 60". All-metal cabinet has durable acrylic finish, and die-cast chrome grille. 9 $\frac{3}{4}$ "x3 $\frac{3}{4}$ "x2 $\frac{3}{4}$ ". Uses 8 penlight cells—order std. or rechargeable, below. With leather case, carrying strap, pair of crystals for Ch. 7. From Japan. FCC license required—form included.

17 B 9707 S. Shpg. wt., 5 lbs. \$5 Monthly.....**99.95**

18 B 5870. 1 $\frac{1}{2}$ V AA Batteries. 5 oz.....Pkg. of 2 for 20¢

18 B 5629. Eveready Rechargeable Ni-Cadmium Batteries. 3 oz.....Ea. 1.93

17 B 9712 S. Combination 115 VAC Power Supply and Batt. Charger. 2 lbs. 22.95

17 B 9645. Auto Cable. Plugs into 12 V cigarette lighter. 4 oz.....1.95

Extra Transmit and Receive Crystals. Channels 1-23, specify. Shpg. wt., 3 oz.

17 B 9369 CS. Transmit. 17 B 9401 CS. Receiver.....Each 2.50 3-Up, Each 1.94

HALLICRAFTERS New Portable VHF Monitors

- Monitors Complete 144-174 MHz FM Band • Superhet Receiver
- AGC Circuit Reduces Fading and Blasting • Built-In Noise Limiter

\$39⁹⁵**\$5 monthly**

CRX-102. Compact hand-held portable receiver monitors 144-174 MHz FM band. Listen in on police, fire, civil defense, other emergency services, United States Weather Bureau forecasts, railroads, taxicabs, forestry and conservation services, power utilities, highway trucks, and private mobile telephones in your area, and the two-meter Amateur radio band. Features solid-state construction—9 transistors and 2 diodes. Sensitive, selective superhet receiver has AGC to reduce blasting and fading. Built-in noise limiting circuit for quiet operation. Whip antenna. Provision for external antenna and headphones. 6x2 $\frac{3}{4}$ "x1 $\frac{1}{4}$ ". Order 9-volt battery (below). From Japan. Wt., 1 lb.

17 B 9875 S. \$5 Monthly.....**39.95**

17 B 9870 S. CRX-100. Above, 27-50 MHz FM business band...**39.95**

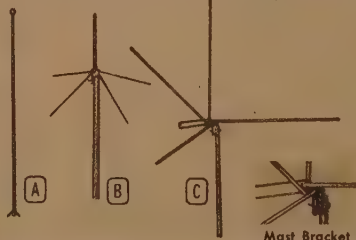
17 B 9872 S. CRX-101. Above, 108-135 MHz AM aircraft band...**39.95**

18 B 5151. 9-V Battery. For above. Wt., 3 oz.....**4.9¢**

Portable VHF Monitors Let You Listen-In On Aircraft, Boats, Trucks, Railroads, Police, Fire, Civil Defense and Any Other Services in Your Area



VHF-FM Antennas For Top-Performance with VHF-FM Receivers



A Regency AA-1. Vertical antenna for 108-135 MHz above and receiver on facing page. Pulls in more and stronger signals. With mounting clamp for up to 1 $\frac{1}{4}$ " dia. masts. Shpg. wt., 2 lbs. 17 B 6562 X.....**5.95**

B Hy-Gain SGP-2. $\frac{1}{4}$ -wave ground plane antenna 108-174 MHz VHF-FM receivers. Radiator and radials are $\frac{1}{16}$ " extruded seamless aluminum tubing. For up to 1 $\frac{1}{2}$ " dia. masts. Wt., 2 lbs. 17 B 6210 X.....**6.95**

C Hy-Gain GP-50. $\frac{1}{4}$ -wave ground plane increases range of 27-50 MHz VHF-FM receivers. With mounting clamp for up to 1 $\frac{1}{2}$ " dia. mast. Shpg. wt., 4 lbs. 17 B 6211 X.....**12.95**

VHF FM Monitors—Tune Emergency Frequencies

HEAR FIRE, POLICE, CD... LOTS MORE

\$84⁹⁵

\$5 monthly

Low As

\$115⁰⁰

\$6 monthly



TMH/TML Series
FM Monitors—
Crystal Controlled

REGENCY

MR-10B, MR-33B
Tunable FM Monitors

Tunable Models

Model MR-10B for 152-174 MHz. Covers police, fire, emergency services, weathercasts, railroads, private mobile telephone, utilities and forestry services. Features include: tuned RF stage for better image rejection; self-contained 5" speaker; adjustable, all-electronic squelch circuit; illuminated slide-rule dial; provision for external speaker or headphones. Sensitivity, 4.0 μ V or better for 20 dB quieting. Audio power output, 0.8 watt (10% distortion). 7 tubes plus rectifier. 7 $\frac{7}{8}$ "x11 $\frac{1}{4}$ "x6 $\frac{1}{2}$ ". For 105-125 V, 60 Hz AC. Shpg. wt., 11 lbs.
17 B 9667 X. \$5 Monthly.....84.95

Model MR-33B for 30-50 MHz. Similar to above, but for low VHF-FM band. Covers police, fire, industrial, power utility, highway maintenance, mobile telephone, radio paging, more. Has 5" speaker, tuned RF stage, all-electronic squelch, illuminated slide-rule dial, and external-speaker or headphones provision. 7 tubes plus rectifier. 7 $\frac{7}{8}$ "x11 $\frac{1}{4}$ "x6 $\frac{1}{2}$ ". For 105-125 V, 60 Hz AC. Shpg. wt., 11 lbs.
17 B 9668 X. \$5 Monthly.....84.95

Crystal-Controlled Models

Model TMH-2 for 150-175 MHz. Solid-state multi-channel receiver for emergency services. Dual-conversion superhet with up to 6-channel crystal switching. Supply for 117 VAC, optional 12 VDC or emergency battery (below). 4 $\frac{3}{4}$ "x11x7 $\frac{1}{2}$ ". With one crystal—Specify freq. Wt., 6 $\frac{1}{2}$ lbs.
17 B 6578 CF. \$7 Monthly.....130.00
Model TMH-1. Above, but one-channel crystal control. Specify freq.
17 B 6771 CF. \$6 Monthly.....115.00
Model TML-2 for 30-50 MHz. Solid-state 6-channel receiver similar to TMH-2. Specify freq. Wt., 6 $\frac{1}{2}$ lbs.
17 B 6577 CF. \$7 Monthly.....130.00
Model TML-1. Above, but one-channel crystal control. Specify freq.
17 B 6770 CF. \$6 Monthly.....115.00
17 B 9320 CF. Extra Crystals. For above. Specify freq. 3 oz.....6.95
17 B 6579 CF. Tone Alarm. For all receivers above. Specify transmitting alarm audio freq. 3 $\frac{1}{2}$ lbs.....40.50
17 B 6580 CF. 12-VDC Emergency Battery/Charger. Wt., 1 lb.....28.35
Shipped express from Indianapolis, Ind. No C.O.D. Allow 80 days.

**SONAR Receivers for
Tunable/Fixed-Frequency
Listening in Home or Car**



FR-102
or FR-101

\$89⁹⁵

FR-102DX
or FR-101DX

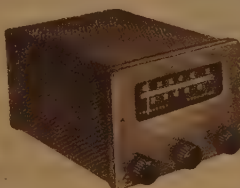
\$134⁹⁵

Model FR-102 for 150-175 MHz. Tunable FM receiver covers police, fire, CD, weather, etc. Tuned RF stage, electronic squelch, 500-ohm line output, external speaker provision. 4 $\frac{1}{2}$ "x8x10". For 110-120 V, 60 Hz AC. Wt., 11 lbs.
17 B 9701 X. \$5 Monthly.....89.95
17 B 9702 X. **Model FR-101 for 25-50 MHz.** As above, but tunes 25 to 50 MHz FM band.....89.95
Model FR-102DX for 150-175 MHz. Tunable receiver with provision for one crystal (below) and dual power supply for 110-120 V, 60 Hz AC or 12-VDC neg. gnd. 4 $\frac{1}{2}$ "x8x10". With mobile mtg. bracket, DC power cord. Wt., 12 lbs.
17 B 9704 X. \$7 Monthly.....134.95
17 B 9703 X. **Model FR-101DX for 25-50 MHz.** As above, but tunes 25 to 50 MHz FM band.....134.95
17 B 9705 CF. Crystal. For FR-102DX or FR-101DX. Specify frequency and allow 30 days. Wt., 4 oz.....7.50

**REGENCY
M-40
FM Monitor
for Your Car**

\$150⁰⁰

\$8 monthly



**REGENCY
DR-200
Dual-Band
FM Monitor**

\$200⁰⁰

\$10 monthly



Model M-40 for 30-50 MHz. Tunable, mobile FM receiver lets you listen to police, fire, utilities, radio paging, and emergency services from your car. Has tuned RF stage, adjustable electronic squelch, built-in 4" speaker, and illuminated slide-rule dial. Sensitivity, 2 μ V or better for 20 dB quieting. 4 $\frac{1}{2}$ "x6 $\frac{1}{2}$ "x8 $\frac{3}{4}$ ". Universal mounting. For 12-VDC negative ground. Shpg. wt., 13 lbs.
17 B 9669. \$8 Monthly.....150.00

Model M-160 for 152-174 MHz. Similar, but for high FM band. 4 $\frac{1}{2}$ "x6 $\frac{1}{2}$ "x8 $\frac{3}{4}$ ". For 12-VDC neg. gnd. 13 lbs.
17 B 9670. \$8 Monthly.....150.00

Model DR-200 for 30-50 and 152-174 MHz. Tunable, dual-conversion FM receiver may be crystal controlled on one frequency on each band. 14 $\frac{1}{2}$ "x6 $\frac{1}{2}$ "x9 $\frac{1}{2}$ ". Order speaker, below. For 105-125 V, 60 Hz AC. Crystals available at \$6.95 each—specify frequency and allow 30 days.
17 B 9666 X. Shpg. wt., 17 lbs. \$10 Monthly.....200.00
17 B 9672 X. **Model DRS-1 6" Speaker.** Wt., 7 lbs.....15.95

Model AR-136 Aircraft Monitor for 108-136 MHz. (Not illus.) Hear jets, control tower, etc. on VHF AM band. Squelch; 5" speaker. 6 $\frac{1}{4}$ "x12x6 $\frac{3}{8}$ ". For 110-120 V, 60 Hz AC.
17 B 6511 X. Shpg. wt., 14 lbs. \$5 Monthly.....99.95

Get Your VHF Monitor Now—On Allied's Credit Fund Plan

ALLIED 169

ALLIED'S

Enjoy Your Operating More

**47 Years
Of Service to Hams
Means This to You**

You Get Expert Ham-to-Ham Service

Allied has been selling to Hams since the beginning of Amateur radio. For the right station for your shack or mobile, call or write us for expert advice.

You Get Special Combination Prices

Write our Mail Order Amateur Sales Dept. for a money-saving quote on any Ham station or SWL outfit (two or more items).

Choose From Our Selected Top-Quality Gear

Choose from the best equipment available, priced for top value. Our guarantee protects your investment completely.

Low Monthly Payments —No Money Down

Outfit your station on Allied's Credit Fund Plan. Up to Two years to Pay. See Page 4 for details.



**Includes
Crystals for
Full 5-Band
Coverage**

\$599⁹⁵

\$25 monthly

Drake Model TR-4 5-Band SSB/AM/CW Transceiver

World-famous, full-frequency coverage transceiver works all bands 80-10 meters with crystals supplied. Input is 300 watts PEP on SSB, 260 watts shifted-carrier CW. Boasts built-in VOX or PTT, solid-state VFO with linear permeability tuning, controlled-carrier screen modulator for AM, CW sidetone oscillator, diode and product detectors, 100-MHz crystal calibrator, separate plate ammeter and S-meter, dial accuracy of 1 kHz... and literally dozens of other features. Two special 9-MHz crystal filters give instant USB/LSB selection on all 5 bands. Automatic transmit/receive switching on CW for semibreak-in. Pi-network output. Connections for external receiver. $5\frac{1}{2} \times 10\frac{3}{4} \times 14\frac{3}{8}$ ". Order power supplies, accessories below.

17 B 9473 K. Shpg. wt., 19½ lbs.	\$25 Monthly	599.95
17 B 9474 X. Model AC-4 115-VAC Supply. 16 lbs.	\$5 Monthly	99.95
17 B 9475 X. Model DC-3 12-VDC Supply. 9 lbs.	\$8 Monthly	149.95
17 B 9476 X. Model RV-4 Remote VFO/5" Speaker. 11½ lbs.	\$5 Monthly	99.95
17 B 9487 X. Model MS-4 5x7" Matching Speaker. 9 lbs.	\$5 Monthly	19.95
17 B 9478 X. Model MMK-3 Mobile Mount. Shpg. wt., 1 lb.		6.95



New Drake Linear with Solid-State Power Supply

\$695⁰⁰

\$29 monthly

- Rapid-Heating Filaments
- 2000 Watts PEP SSB Input
- 1000 Watts on CW, AM or RTTY
- Two Taut-Band Suspension Meters
- Quiet High-Volume Internal Blower

Drake L-4 2-Kilowatt Linear Amplifier for 80-10 Meters

Magnificent linear amplifier provides the maximum legal power limit on the 80 through 10-meter Ham bands. Full 2000-watt PEP input on SSB; 1000-watt DC input on CW, AM and RTTY. High-efficiency Class B Grounded-Grid circuit uses two rugged 3-400Z or 8163 zero bias triodes. Two taut-band suspension meters indicate plate current, grid current, plate voltage and relative RF output. Broad-band tuned input circuit on each band minimizes distortion, increases efficiency. Transmitting AGC circuit controls exciter gain for higher audio level without peak clipping. Separate, regulated solid-state power supply needs only 3 seconds for warmup. Internal antenna change-over relay. Powerful cooling system insures continuous operation at full capacity. Shpg. wt., 81 lbs.

17 B 9605 ZF. \$29 Monthly.....695.00

SPECIFICATIONS

Frequency Range: 80-10 meter Ham bands; 3.5 to 30 MHz with retuning of input coils. Plate Input: 2000 watts PEP SSB, 1000 watts DC on CW, AM, RTTY and Tune. Drive Requirements: 100 watts PEP SSB, 75 watts CW, AM, RTTY and Tune. Input Impedance: 50 ohms. Output Impedance: Adjustable pi-network matches 50 ohm line with SWR not to exceed 2:1. Tubes: Two 3-400Z or two 8163. Cooling: Quiet, low velocity, high volume internal blower. Size: Amplifier, $13\frac{1}{2} \times 7\frac{1}{2} \times 14\frac{1}{2}$ "; Power Supply, $7\frac{1}{2} \times 6\frac{3}{4} \times 11$ ". Weight: Amplifier, 32 lbs.; Power Supply, 43 lbs. Power Requirements: 115 volts, 50-60 Hz AC, 30 amperes or 230 volts, 50-60 Hz AC, 15 amperes.

With One of These Famous SSB Transceivers

Full Coverage of
80, 40, 20 Meters
With 200 Watts PEP
Input on All Modes

\$149⁹⁵

\$8 monthly

Assembled Solid-State
VFO, Crystal Lattice
Filter and IF PC Boards



Eico Model 753 3-Band SSB/AM/CW Transceiver Kit

- High-Level Dynamic ALC to Prevent Flat-Topping
- Automatic Carrier Level Adjustment on CW and AM

- Receiver 10-kHz Offset Tuning for Nets, CW Work
- Panel-selected Standby, VOX and PTT

Compact, modestly priced transceiver offering complete 80, 40 and 20-meter coverage with 200 watts PEP input and highly stable, solid-state VFO. ALC circuit prevents flat-topping even with extreme over-modulation. Receiver has sensitivity of 1 μ V for 10 dB S/N, offset tuning of 10 kHz without changing transmitter frequency, and fast attack/slow decay AGC. Single knob with unique ball-drive provides both rapid and bandsread tuning. Grid-block, break-in keying. Backlighted combination output

and S-meter. Pi-network for 40-80 ohms. TR relay with auxiliary contacts for linear amplifier. Size, 5 $\frac{1}{2}$ x14x11 $\frac{1}{4}$ ". With all parts, wire, instructions. Order optional power supplies, below. Shpg. wt., 25 lbs.

17 B 9900 K. \$8 Monthly..... 149.95

17 B 9907 K. Model 751 AC Power Supply/Speaker Console

Kit, 5 $\frac{1}{2}$ x11 $\frac{1}{4}$ x8". Wt., 25 lbs. \$5 Monthly..... 59.95

17 B 9908 K. Model 752 12-VDC Solid-State Power Supply

Kit, 5 $\frac{1}{2}$ x11 $\frac{1}{4}$ x8". Wt., 20 lbs. \$5 Monthly..... 59.95



\$419⁰⁰

\$19 monthly

Built-In
Dual Supply
Included

SBE Model SB-34 4-Band SSB/CW Transceiver

- Powerful, Versatile, Compact, Lightweight, Highly Portable
- Ready to Use at Home or Away, in the Car, on Boat or Plane
- Solid-State Switching • Collins Filter • Selectable Sidebands

A powerful, full-fledged SSB station—complete with 117-VAC and 12-VDC power supplies—in a package measuring 5x11 $\frac{1}{4}$ x10" and weighing just 19 lbs. Ready for instant home, mobile or portable use. Input is 135 watts on 80 through 20 meters, slightly less on 15. Features all solid-state switching (no relays), Collins mechanical filter, switch-selected USB/LSB, dual-speed and delta receiver tuning around transmitter frequency, one-knob bandswitch and exciter tuning, many other extras. Exclusive bi-lateral two-way circuit. Built-in front-mounted speaker; plate mA/power meter. With power cables. Shpg. wt., 23 lbs.

17 B 9233 K. \$19 Monthly..... 419.00

17 B 9234. 100-kHz Crystal Calibrator. Shpg. wt., 2 lbs. 24.95

17 B 9235. VOX Unit. Shpg. wt., 4 lbs. \$5 Monthly..... 37.95

17 B 9236. Mobile Mount. Shpg. wt., 1 lb. 12.50



Hallicrafters "Hurricane" SSB and CW Transceiver

2000 Watts
PEP Input
on 5 Bands

\$995⁰⁰

\$42 monthly

Model SR-2000. Most powerful Amateur transceiver made. Runs 2000 watts PEP input on SSB, 1000 watts CW. Linear gear drive VFO has readout to less than 1 kHz. Amplified Automatic Level Control gives peak compression and talk power. Receiver has adjustable noise blanker, incremental tuning, sensitivity of less than 1 μ V for 20 dB S/N. Built-in VOX; PTT, break-in CW. Adjustable pi-network. RF output, S-meter. 10% 7 $\frac{1}{2}$ x15 $\frac{1}{2}$ ". Power supply/speaker below. Shpg. wt., 30 lbs.

17 B 9241 K. \$42 Monthly..... 995.00

17 B 9242 Z. P-2000-AC Power Supply/

Speaker. For 110/220 V, 50-60 Hz AC.

Shpg. wt., 65 lbs. \$17 Monthly..... 349.95

Buy Your SSB Transceiver on Allied's Credit Fund Plan

ALLIED 171

Deluxe Amateur and Shortwave Equipment



DRAKE

T-4X SSB/AM/CW Transmitter

\$399⁹⁵ • Covers 160-10 Meters
• 200 Watts PEP SSB
\$18 monthly • VOX or PTT Control

Top-performing transmitter covers 160-10 meters with 200 watts PEP SSB, 180 watts CW input. Upper or lower sideband selection. Solid-state linear, permeability-tuning VFO; crystal oscillators; VOX or PTT; semi break-in CW. Crystal filters.

AM controlled carrier modulation is compatible with SSB linear amplifiers. Transmitting AGC; shaped grid-block keying. Plate current/relative output meter. $5\frac{1}{2} \times 10\frac{3}{4} \times 12\frac{1}{4}$ ". Order AC power supply below. 15 lbs.

17 B 9231 X. \$18 Monthly. . . . 399.95

110/220 VAC Power Supply. For T-4X, R-4A. Silicon diode rectifiers. May be housed in MS-4 speaker cabinet. For 110-220 volts, 50-60 Hz AC. Shpg. wt., 22 lbs.

17 B 9474 K. \$5 Monthly. . . . 99.95

R-4A Triple-Conversion Receiver

\$399⁹⁵ • Notch Filter
• Noise Blanker
\$18 monthly • Passband Tuning

Superb AM/CW/SSB receiver covers 80, 40, 20, 15 meters and 28.5-29.0 MHz with crystals supplied. Crystals for other 500-kHz segments from 1.5-30 MHz available on Special Order. Selectivity control for choice of .4, 1.2, 2.4, 4.8 kHz bandwidth. $\frac{1}{2}$ μ V sensitivity. 100 kHz calibrator. 8-meter; and much more. $5\frac{1}{2} \times 10\frac{3}{4} \times 11\frac{1}{8}$ ". Order speaker below. 110-220 V, 50-60 Hz AC. Shpg. wt., 19 $\frac{1}{2}$ lbs.

17 B 9486 X. \$18 Monthly. . . . 399.95

MS-4 Speaker. Matches R-4A. 5x7" heavy-magnet speaker. Wt., 8 $\frac{3}{4}$ lbs.

17 B 9487 X. \$5 Monthly. . . . 19.95

Model T-4 Reciter. Transceives with R-4A receiver. Same as T-4X without VFO, NE crystal osc. and associated circuits. $5\frac{1}{2} \times 10\frac{3}{4} \times 11\frac{1}{8}$ ". 12 lbs.

17 B 9232 X. \$16 Monthly. . . . 299.95

New Low-Cost Drake 2-C Triple-Conversion Receiver



\$229⁰⁰ • SSB, AM and CW
• Triple Conversion
\$12 monthly • Selectable SB

Excellent receiver for Hams or for more critical shortwave listeners. Triple-conversion receiver covers 80, 40, 20, 15, and 10 meters in 500 kHz ranges. Crystals for other 500-kHz segments from 3.0 to 30 MHz available on Special Order.

VFO tuning; selectable sidebands without retuning; 3 bandwidths—.4, 2.4, 4.8 kHz at 6 dB. Has solid-state audio, product, and AM detectors; AVC amplifier and crystal oscillator. AVC switch (fast, slow, off). 8-meter. 19 tubes and semi-conductors. Order speaker below. $7\frac{1}{2} \times 12\frac{9}{16}$ ". 13 $\frac{1}{2}$ lbs.

17 B 9600 X. \$12 Monthly. . . . 229.00

2-C5 Speaker. Matching speaker for 2-C. $7\frac{1}{2} \times 10\frac{9}{16}$ ". 6 lbs.

17 B 9602 X. \$5 Monthly. . . . 19.95



HALLICRAFTERS

HT-46 SSB/CW Transmitter

\$369⁹⁵ • 180 Watts PEP SSB
• High-Stability VFO
\$17 monthly • 52-Ohm Pi-Net Output

Covers 80-10 meters with built-in high-stability VFO with 500 kHz 180-watt PEP filter input on SSB, 150 watts on CW. Can be "slaved" to SX-146 receiver. Grid-block CW keying. USB/LSB via 9-MHz quartz filter. Plate-current/relative output meter; press-to-talk; automatic amplifier level control. Self-contained solid-state power supply for 110-120 V, 50-60 Hz AC. $11\frac{1}{2} \times 13\frac{1}{2} \times 5\frac{1}{8}$ ". 26 lbs.

17 B 9244 K. \$17 Monthly. . . . 369.95

SX-146 Amateur Band Receiver

\$269⁹⁵ • New HF Quartz Filter System
\$14 monthly • 8FO, ANI, S-Meter

80-10 meter coverage in eight 500-kHz segments. Ten-meter crystal for 28.5-29.0 MHz supplied. 2.1-kHz high-frequency quartz filter supplied. Stable conversion oscillator chain. Order speaker below. $5\frac{1}{2} \times 13\frac{1}{2} \times 11\frac{1}{2}$ ". 105-125 V, 50-60 Hz AC. 20 lbs.

17 B 9044 K. \$14 Monthly. . . . 269.95

17 B 9042 X. R-51 Spkr. w/Digital Clock. $8\frac{1}{2} \times 8\frac{3}{4} \times 9\frac{7}{8}$ ". Wt., 8 lbs. . . . 34.95

17 B 9245 X. R-50 Speaker. Similar to R-51, without clock. $7\frac{1}{2}$ lbs. . . . 19.95



Drake SW-4A International Shortwave Receiver

\$289⁰⁰ • Finest Coverage
• Solid-State Output
\$15 monthly • Dual Conversion

Solid-state VFO tunes .15-1.5, 6.0-6.5, 7.0-7.5, 9.5-10.0, 11.5-12.0, 15.0-15.5, 17.5-18.0, 21.5-22.0 and 25.5-26.0 MHz with crystals supplied. These frequencies cover European LF, American MF, and International SW broadcast bands. VU meter, solid-state power supply, phone jack. $5\frac{1}{2} \times 10\frac{3}{4} \times 12\frac{1}{4}$ ". For 120/240 V, 50-60 Hz AC. Order speaker below. 19 lbs.

17 B 9537 X. \$15 Monthly. 289.00

17 B 9487 X. MS-4 Speaker. $5\frac{1}{2} \times 10\frac{3}{4} \times 11\frac{1}{8}$ ". Wt., 8 $\frac{3}{4}$ lbs. . . . 19.95

Hallicrafters AM, FM and Shortwave Receivers



\$89⁹⁵
\$5 monthly

\$109⁹⁵
\$6 monthly

A S-214 Solid-State SW/AM/FM Receiver

Six bands: 250-1600 kHz (standard AM broadcast); 88-108 MHz (FM); 5.9-6.25 MHz (49 meters); 9.4-9.8 MHz (31 M); 11.5-12.0 MHz (25 M); 15.05-15.55 MHz (19 M). Features 6-p-r-e-a-d dial tuning on shortwave bands. Has AFC for drift-free FM reception; tone control; built-in speaker. One-watt output. Has triple antenna system with provision for external antennas. Illuminated slide-rule dial for easy tuning. Vinyl-covered metal cabinet with die-cast front. $6\frac{1}{2} \times 13\frac{1}{2} \times 8\frac{1}{2}$ ". For 115 V, 50-60 Hz AC. Shpg. wt., 10 lbs.

17 B 9884 X. \$5 Monthly. **89.95**

B S-240 Deluxe Solid-State SW/AM/FM Receiver

Features wide shortwave coverage, plus AM and FM. Illuminated slide-rule dial, tuning meter, variable tone control. Fine-tuning control for precise shortwave tuning. BFO for CW reception. Five bands: 550-1600 kHz; 2-5 MHz; 4.8-11.5 MHz; 11-27 MHz; 88-108 MHz (FM). Triple antenna system. Built-in speaker with provision for external speaker or earphone. One-watt, push-pull output. Black vinyl-covered metal cabinet, die-cast chromed front. $6\frac{1}{2} \times 13\frac{1}{2} \times 8\frac{1}{2}$ ". For 115 V, 50-60 Hz AC.

17 B 9896 X. Shpg. wt., 10 lbs. \$6 Monthly. **109.95**

**New Model CR-3000 Solid-State
Longwave, AM, Shortwave,
FM and FM-Stereo Receiver**



\$229⁹⁵
\$12 monthly

- Powerful Output • Wide Response
- Fine-Tuning Control for Shortwave
- Automatic FM-Stereo Indicator Light

Magnificent multiband receiver covers: 180-400 kHz (LW); 550-1600 kHz (standard broadcast); 2-4 MHz, 5.9-10.2 MHz, 11.4-18.2 MHz (SW); and 88-108 MHz (FM) on illuminated rotary drum band selector. Delivers 10 watts rms continuous power per channel. Features: 70-15,000 Hz response; stereo indicator light; tuning meter; balance, bass, treble controls; AGC to prevent fading; AFC for drift-free FM; BFO for CW reception. Inputs: Ceramic phono, magnetic phono, tape, aux. Stereo headphones jack. Tape output. Triple antenna system with provision for external antenna. 8-ohm speaker impedance. Cabinet is vinyl covered steel with chrome, black and silver color trim. $5 \times 15\frac{1}{2} \times 12\frac{1}{4}$ ". 117 V, 50-60 Hz AC. Less speakers—see pages 61 to 90. 17 B 9892 K. Shpg. wt., 22 lbs. \$12 Monthly. **229.95**

**HALLICRAFTERS Receivers
Designed for Every Purpose,
Priced for Every Budget**



\$289⁹⁵
\$15 monthly

\$59⁹⁵
\$5 monthly

C SX-122 SSB/AM/CW Ham and SW Receiver

A great general coverage receiver for the Amateur or SWL who wants peak SSB/AM/CW performance. Covers: 538-1580 kHz (Standard broadcast); 1720 kHz-4.9 MHz; 4.6-13 MHz; 12-34 MHz. Bandspread calibrated for 80-10 meters and Citizens' Band. Dual conversion throughout. Three selectivity steps (.5, 2.5, 5 kHz) at 6 dB down. Noise limiter; BFO; selectable USB/LSB; S-meter. $8 \times 18\frac{1}{2} \times 9\frac{3}{4}$ ". Order speaker, below. 115 V, 50-60 Hz AC.

17 B 6553 K. Wt., 32 lbs. \$16 Monthly. **289.95**
17 B 9245 X. R-50 Speaker. $8\frac{1}{4} \times 8\frac{1}{2} \times 9\frac{3}{8}$ ". 8 lbs. **19.95**

D S-200 "Legionnaire" SW/AM Receiver

Slide-rule dial is labeled with names of countries for finding major international radio stations. Has four full-dial bands for extra-wide station separation and easy tuning. Bands: 550-1600 kHz; 5.9-6.25 MHz; 9.4-9.8 MHz; 11.6-12.05 MHz; 15.05-15.55 MHz. Built-in speaker; tone control; headphone jack. Walnut wood-grain steel cabinet with silver trim. Built-in ferrite loop antenna for standard broadcast. For 105-125 V, 50-60 Hz AC.

17 B 6405 X. Shpg. wt., 11 $\frac{1}{2}$ lbs. \$5 Monthly. **59.95**



SX-130 Communications Receiver

\$179⁹⁵
\$9 monthly

- Excellent Ham and Shortwave Receiver
- Selectable SSB plus AM and CW
- Calibrated Dials for 80-10 Meters

Four bands cover foreign broadcast, Amateur, aircraft, marine and AM standard broadcast. Tunes 535-1610 kHz, 1.725-4.7 MHz, 4.5-13.0 MHz, 11.9-31.5 MHz. Slide-rule bandspread dial calibrated for 80-10 meter Amateur bands and 11-meter CB. Selectable USB/LSB; product detector for CW, SSB; crystal phasing bandwidth control, calibrated BFO; S-meter; RF gain control; ANL; antenna trimmer. Less speaker. $8 \times 18\frac{1}{2} \times 9\frac{3}{4}$ ". 115 VAC.
17 B 9045 K. Shpg. wt., 25 lbs. \$9 Monthly. **179.95**
17 B 9245 X. R50 Speaker. $8\frac{1}{4} \times 8\frac{1}{2} \times 9\frac{3}{8}$ ". 9 lbs. **19.95**

Popular Amateur and SWL Equipment



HAMMARLUND HQ-180AC
Superb Receiver for SSB, AM and
CW.. 100-kHz Crystal Calibrator

\$482⁹⁵
\$21 monthly

This professional-quality receiver tunes 540 kHz through 30 MHz in six ranges with bandspread for 10-80 meter bands. For finest SSB, receiver has linear product detector, selectable sidebands, 60-kHz 3rd IF, ± 3 kHz IF passband tuning. Operates triple conversion above 7.85 MHz, dual conversion below.

High-frequency crystal filter for sharp selectivity. Crystal-controlled 2nd converter. Selectivity adjusts from 500 Hz to 6 kHz. Tunable slot filter for up to 60 dB attenuation. An input signal of less than 0.5 μ V will produce a 10:1 S/N ratio.

Built-in 24-hour clock-timer turns on receiver at predetermined time of your choice. Separate filament supply and separate accessory power supply. Size, 10 $\frac{1}{2}$ "x13". Order speaker below. For 115/230 V, 50-60 Hz AC.

17 B 9554 U. Shpg. wt., 48 $\frac{3}{4}$ lbs. \$21 Monthly.....**482.95**
S-200 Matching Speaker. 11x12x9". Shpg. wt., 12 lbs.
17 B 9656 X. \$5 Monthly.....**19.95**



HAMMARLUND HQ-100AC Receiver
Great for Hams and SWL **\$209⁹⁵**
\$11 monthly

General coverage receiver offers tremendous value plus many professional features. Gives you AM, SSB, CW reception with coverage of 540 kHz to 30 MHz in 4 bands and calibrated bandspread for 80 through 10 meter Amateur bands.

Separate variable BFO and Q-multiplier permit continuously variable selectivity. "Auto Response" circuit adjusts audio to match all conditions. Voltage-regulated high-freq. oscillator.

24-hour clock-timer automatically turns on receiver. S-Meter. ANL. Sensitivity, 1.0 μ V for 10-1 S/N ratio. 9 $\frac{1}{2}$ "x16x9 $\frac{1}{2}$ ". Order speaker below. For 115/230 V, 50/60 Hz AC.

17 B 9660 U. Wt., 30 lbs. \$11 Monthly.....**209.95**
S-100 Speaker. 9 $\frac{1}{2}$ "x9 $\frac{1}{2}$ "x7". Wt., 8 $\frac{1}{2}$ lbs.
17 B 9659 X.....**14.95**



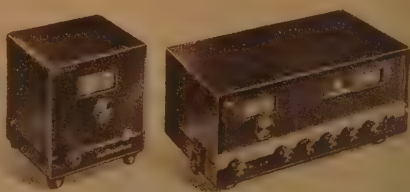
6-2-1.4 Meter VFO \$59⁹⁵
6- and 2-Meter Transmitter \$149⁹⁵

AMECO Transmitter and VFO

TX-62 6- and 2-Meter Transmitter. For 50-54 and 144-148 MHz with 75 watt CW and peak AM input to 7984 final. Broad-band circuits to final, tunable final plate and loading capacitors. Modulator; solid-state AC supply. Meter reads final cathode and grid currents. Relative RF output. Audio gain control. Jack for mike or key. Connections for key and relay. Requires 8-MHz crystals or external VFO. 6x 11 $\frac{1}{2}$ "x9 $\frac{1}{2}$ ". 105-125 V, 60-60 Hz AC. 21 lbs.

17 B 6321 X. \$8 Monthly.....**149.95**

17 B 9046. VFO-621 6-2-1.4 Meter VFO. Highly stable. For 50, 144, 220 MHz. Matches TX-62, or for any transmitter using 8-MHz crystals. Plugs into crystal socket. 6x5x7 $\frac{1}{2}$ ". For 105-125 V, 50-60 Hz AC. Wt., 7 lbs. \$5 Monthly.....**59.95**



6 and 2 Meter VFO \$54⁹⁵
2 or 6-Meter Transceiver \$199⁹⁵

HALLICRAFTERS Transceivers and VFO

SR-42A 2-Meter Transceiver. Fixed/mobile rig for Hams, CD (also Novice phone). Nuvistor front-end; dual conversion; 10-12 watts RF input; switch selects 4 crystals, VFO; spot switch; S/Output meter. 5x12x8". 117 VAC (12 VDC with MR-40 below). With 1 crystal.

17 B 6316 X. \$10 Monthly.....**199.95**

SR-46A 6-Meter Transceiver. Above, except for 6 meters.

17 B 6314 X. Wt., 17 $\frac{1}{2}$ lbs. \$10 Monthly.....**199.95**

HA-26 6- and 2-Meter VFO. Use with SR-46A or SR-42A.

For precise tuning. 7x5x8 $\frac{1}{2}$ ". 105-125 V, 50-60 Hz AC.

17 B 9043. Wt., 8 lbs. \$5 Monthly.....**54.95**

17 B 9048. MR-40 12 VDC Mobile Kit. (Not illus.) For SR-46A or SR-42A. Vibrator, cord, mtg. bkt. 3 lbs.....**12.95**

New DRAKE SC-2 Solid-State 2-Meter Converter

Convert any general-coverage receiver to 2 meters. Covers 144-148 MHz. IF, 14 to 18 MHz. Zener-regulated crystal oscillator for improved stability. Uniform 15 dB gain with 2.5 dB noise. 70-dB image rejection. Has 2 switch-selectable crystals for reception of 144 and 145 MHz segments of band for limited-coverage receivers. Requires 18 VDC @ 40 mA. Converter output

frequency for transceiver; calibrator input. 6 $\frac{1}{2}$ "x4 $\frac{1}{2}$ "x2 $\frac{1}{2}$ ".

17 B 9610. 2 lbs. \$5 Monthly.....**69.00**

17 B 9615. SC-6 6-Meter Converter. As above, but 6 meters. 2 lbs.....**64.50**

17 B 9619. Power Supply. Delivers 18 VDC @ 100 mA. Wt., 1 $\frac{1}{2}$ lbs.....**12.50**

17 B 9622. SCC-1 100 kHz Crystal Calibrator. Usable to 432 MHz. Requires

18 VDC @ 20 mA. Wt., 1 lb.....**24.50**



2-Meter Converter \$69⁰⁰

Add These VHF Values to Your Station Now

Ameco Nuvisor Converters and Preamps



\$49.95



\$12.50



\$13.95



\$32.95

A Ameco CN-50W Nuvisor 6-Meter Converter. Employs three nuvisors plus one tube for high gain and extremely low noise figure. Output, 14-18 MHz. Noise figure, 2.5 dB. Image and spurious-signal rejection, better than 70 dB. IF rejection, better than 100 dB. Requires 100-150 V at 30 mA and 6.3 V at 1 A, or PS-1W supply. 2x2 1/2x6 1/4". Shpg. wt., 2 lbs.
17 B 9686. \$5 Monthly..... **49.95**

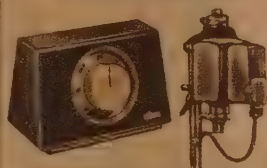
A Ameco CN-144W Nuvisor 2-Meter Converter. Above, for 144 MHz. Noise figure, 3.0 dB. Wt., 2 lbs.
17 B 9688. \$5 Monthly..... **49.95**

B Ameco PS-1W Power Supply. For CN-50W or CN-144W. Plugs in. For 110 VAC. 2 1/2x4 1/2x4 1/2".
17 B 9695. Shpg. wt., 4 lbs..... **12.50**

C Ameco PV-50 Nuvisor 6-Meter Preamp. Uses one 6CW4 nuvisor to improve sensitivity and noise figure, and two tuned circuits for better image and spurious-signal rejection. Over 20 dB gain. Requires 100-150 V at 10 mA and 6.3 V at 150 mA. Size, 2 1/2x2x3 1/4". Shpg. wt., 1 lb.
17 B 9692..... **13.95**

D Ameco PCL-P Nuvisor All-Band Preamp for 6 Through 160 Meters. Two nuvisors in cascade for noise figures of 1.5 to 3.4 dB, depending on band. Boosts weak-signal performance of any receiver. Overall gain, better than 20 dB. Built-in power supply for 110-120 v., 50-60 Hz. AC. Size, 5 1/2x3 1/2x3". Shpg. wt., 2 lbs.
17 B 6612. \$5 Monthly..... **32.95**

Alliance Beam Rotator System



\$287.80

\$5 monthly

Fine for VHF Beams and HF Tri-Band Jrs.

Model U-100. Budget-priced, factory-lubricated and moisture-sealed system with reversible motor, magnetic brakes. Rotates 360° at 1 rpm. Indicator has 8 calibrations. Less cable, below. For 110-120 v., 50-60 Hz AC. 12 lbs.
11 B 2442 XW..... **28.78**
11 B 1237. 100-Ft. Coil of 4-Conductor Cable. 3 lbs..... **2.89**

Cush-Craft High-Performance VHF Antennas



E 5-Element 6-Meter Beam



F 11-Element 2-Meter Beam



G Portable Beam, 6 or 2 Meters



H 16-Element 2-Meter Colinear

E A50-5 6-Meter Beam. Five-element, all-aluminum 50-MHz beam provides 9.5 dB gain, excellent pattern control, and high F/B ratio. Mounts horizontally or vertically. Boom, 12". Driven element for 52 or 72 ohms. For masts up to 1 1/2". Shpg. wt., 14 lbs.
17 B 9572 ZW. \$5 Monthly..... **21.50**

17 B 9573 X. A55-SK Stacking Kit. For stacking two A50-5 beams. Adds 3 dB. Shpg. wt., 2 lbs..... **4.95**

F A144-11 2-Meter Beam. Eleven-element aluminum array provides 13 dB gain, 28 dB F/B ratio. Can be mounted horizontally or vertically. Boom, 12". Solid elements. Driven element for direct 52 or 72-ohm coaxial feed. For masts to 1 1/2". Shpg. wt., 8 lbs.
17 B 9574 ZW..... **14.95**

17 B 9575 X. All-SK Stacking Kit. For stacking two A144-11s. 2 lbs..... **4.95**

Model AM-26 6 and 2-Meter Mobile Halo. Single feed line. No tuning or switching needed. 52-ohm match. With 9' telescoping mast.
17 B 9579 X. Shpg. wt., 5 lbs..... **18.95**

17 B 9580 X. AM-2M. Halo for 2 meters. With 9' mast. 4 lbs..... **9.95**

17 B 9581 X. AM-6M. Halo for 6 meters. With 9' mast. 4 lbs. **13.95**

A-144-7 2-Meter Beam. Same as A-144-11 left, below, but 7 elements, 98" boom, 11 dB gain, 26 dB F/B ratio.

17 B 8665 X. Shpg. wt., 6 lbs. ... **11.95**

G A26-ZP 6 or 2-Meter Portable Beam. Compact 4x4x50" package quickly assembles for portable work. Set up as 5 elements on 2 meters for 9.5 dB gain, 20 dB F/B; or 3 elements on 6 meters for 7.5 dB gain, 20 dB F/B. Longest element, 117". boom 66". For 52 ohms. Shpg. wt., 6 lbs.
17 B 9576 X..... **16.95**

H CL-116 2-Meter Colinear. 16-element array provides large capture area, gain of 13.2 dB, and broadband coverage. Solid aluminum elements; aluminum booms. 120" high x 83" wide. For 300-ohm line. Shpg. wt., 8 lbs.
17 B 9577 X..... **17.50**

17 B 9578 X. 52-Ohm Matching Sub. Shpg. wt., 3 lbs..... **4.75**

6 and 2-Meter Beam

\$299.50

\$5 monthly

- 5 Elements per Band
- Excellent Gain
- For 52 or 72 Ohms

Model A26-9. A no-compromise dual-band VHF beam with separate elements on 6 and 2 meters. Engineered for minimum interaction between sections to provide maximum operating efficiency. Ideal for limited space.

Boom and 6-meter elements are of thick-wall, seamless, bright aluminum tubing; the 2-meter elements are 3/4" solid aluminum rod, preassembled on the boom.

Driven elements are "Reddi Match" for direct 52 or 72-ohm coaxial feed and 1:1 SWR. Uses two separate coaxial transmission lines. Shpg. wt., 16 lbs. Only \$5 Monthly.
17 B 9571 ZW..... **29.95**

Selected Amateur Beams, Rotators, Towers

HY-GAIN

MOSLEY

Save
\$13.94

With 100' Coax

Save Up to
\$16.82

Beam Antenna Packages
Include: CDR TR-44 Rotator
Plus 100' Coax and PL259
Connectors

NEW-TRONICS

Hy-gain "Thunderbird" Beams

A TH-3Jr "Thunderbird Junior Tri-Bander" Package. 3-element beam for 10, 15, 20 meters rated 600 watts PEP. 12'8" turning radius. With CDR TR-44 Rotator, 100' RG8/U Coax with two PL259 connectors. 59 lbs.

17 B 0017 L3Z. \$8 Monthly. 144.95
17 B 9472 ZW. TH-3Jr Beam Antenna Alone. Shpg. wt., 28 lbs. 74.50

A TH-3MK2 "Thunderbird Tri-Bander" Package. 3-element beam for 10, 15, 20 meters handles maximum legal power. 14' boom; longest element, 28'. Turning radius, 14'8". With CDR TR-44 Rotator, 100' RG8/U Coax with PL259 connectors. Shpg. wt., 67 lbs.

17 B 0018 L3Z. \$9 Monthly. 182.95
17 B 8754 ZW. TH-3MK2 Beam Antenna Alone. Shpg. wt., 36 lbs. 114.95
B TH-6DX "Thunderbird Tri-Bander." 6-element beam for maximum legal power. 8.7 dB gain on 10, 15, 20 meters. "HY-Q" traps; 24' boom. Longest element, 31'. Turn. rad., 26'. Requires HAM-M Rotator, below 60 lbs.

Mosley Beam Antennas

C TA-33Jr Beam Package. Trapmaster for 10, 15, 20 meters; CDR TR-44 Rotator System; 100' RG8/U; 2 PL259's. 300 watts AM. Longest element 26'8"; boom, 12'; turn rad. 14'9".
17 B 0794 L3Z. 59 lbs. \$8 Mo. 151.38
17 B 8787 ZW. TA-33Jr Beam Antenna Alone. Shpg. wt., 28 lbs. 84.30
17 B 8329 X. MPK-3 Conversion Kit. For TA-33Jr, TA-31Jr, TA-32Jr—boosts rating to 750 watts AM, 2 kW PEP. Shpg. wt., 10 lbs. 28.56

17 B 8786 ZW. TA-33 Beam. Similar to TA-33Jr but rated 1 kW. Up to 8 dB gain with 20 dB F/B ratio. SWR 1.5:1 or less. Longest element, 28'; boom, 14'; turning rad., 15'6". Requires CDR HAM-M rotator. 41 lbs. 120.99

D MP-33 "Tig-Array" Beam. 3-element beam. 750 watts AM, 2 kW PEP on 10, 15, 20 meters. 8 dB gain; F/B 20 dB; 1.5:1 SWR. Longest element, 27'; turning radius, 15'. Wt., 28 lbs.
17 B 8330 ZW. \$5 Monthly. 95.83
17 B 8328 X. TA-40KR 40-Meter Conv. Kit. For TA-33, MP-33. 10 lbs. 51.71

New-Tronics "Cliff-Dweller"

CD-40-75 "Cliff-Dweller" Antenna and Cable Package Bonus. Remotely tuned, rotatable dipole for 40 and 75 meters. Specially designed for use where antenna space is limited. No traps or baluns needed, no special matching requirements. Can be fed with any length of coax. Handles a full kilowatt, with SWR of 1.1 to 1 or less across entire band. Variable feed-point.

Two motors and gear trains operate the tunable elements; separate motor handles bandswitching. Constructed of heat treated and chrome plated brass tubing. Mounts on 1 1/4" threaded pipe. Motor housings are iridized diecast aluminum. Resonators and housings are completely waterproof. Element length, 26' to 31'6"; turning radius, 15'8". Includes remote control box and 100' RG8/U Coax Cable. Shpg. wt., 58 lbs.
17 B 0789 L4Z. \$8 Monthly. 149.96
17 B 6141 L3ZW. Antenna Alone. Shpg. wt., 47 lbs. 149.95

E-Z Way Heavy-Duty Tiltover Towers and Tower Mounting Kits

Available in galvanized (G) or painted (P) finish. GP or TOP mounting kit required for tiltover operation. BAK for attachment to building. Specify rotator to be used. Towers shipped prepaid from Tampa, Fla. Send remittance on cash orders—no C.O.D. Free literature available—Ask for Stock No. 17B8829.

Towers. *Max. sq. ft. area in 60 mph wind.

Stock No.	Type	Ht.	*Ant.	EACH
17 B 6212 ZF	HD-40P	40'	3.4	112.00
17 B 8827 ZF	RBS-40P	41'	7.2	190.50
17 B 8828 ZF	RBS-40G	41'	7.2	235.50
17 B 8836 ZF	RBS-50G	51'	7.2	309.00
17 B 6233 ZF	6046P	60'	3.4	212.50
17 B 8854 ZF	RDX-60-3G	60'	7.2	461.50

Mounting Kits Required. *Also 6406P.

Stock No.	Type	For	EACH
17 B 6248 ZF	BAK-D	HD-40P	7.50
17 B 8866 ZF	BAK-S	Any RBS Twr.	12.00
17 B 8894 ZF	GP-S40	RBS-40P or G	84.50
17 B 6243 ZF	GP-S50	RBS-50G	129.00
17 B 6239 ZF	TOP-S40P	RBS-40*	84.50
17 B 6242 ZF	TOP-X50-3	RDX-60-3G	140.00

All-Steel Towers with Diagonal
Bracing and Built-In Ladders

CDR Beam Antenna Rotator Systems



CDR TR-44
Rotator

\$69.95

\$5 monthly

Order CDR HAM-M for
Extra-Heavy Beams

CDR TR-44. Rotator has 48 heavy-duty bearings in two 6 1/2" ball races, 450 inch-lbs. av. torque. Indicator calibrated in compass points and 3° increments. Indicator readable with motor off. For masts up to 2 1/4" O.D. Req. 7-cond. cable. For 110-120 V, 50-60 Hz AC. 19 lbs.

17 B 9479 X. \$5 Monthly. 69.95
Belden 8447 7-Cond. Cable, 100' coil. 55 B 7529. Wt., 4 1/2 lbs. 7.20

CDR HAM-M. (Not illus.) Extra-heavy duty, supports over 1000 lbs. Indicator as above. Req. 8-cond. cable. 17 B 8025 X. 25 1/4 lbs. \$7 Mo. 129.95

Belden 8448 8-Cond. Cable, 100' coil. 55 B 7536. Wt., 5 lbs. 7.75

Hy-Gain Doublet Antennas



\$9.95

Single Band

Available for
Single Band
or With Traps
for Hi-Power
Multiband
Operation

HD-4 Single Band Doublet. 80-meter doublet with cutting instructions for 10-40 meters. Rated 500 watts. With copper clad wire, insulators, hardware, 50' of RG-58/U coax. Shpg. wt., 3 1/4 lbs.

17 B 6171 X. 9.95

Multiband Doublets. Designed for maximum legal power. *Trapless. With insulators, less 52-ohm coax. 10 lbs.

Stock No.	Type	Bands	Ft.	EACH
17 B 8770 X	2BDP*	15, 40, 80	128	19.95
17 B 8771 X	2BDQ	40, 80	96	29.50
17 B 8774 X	5BDQ	10 thru 80	108	44.50

Vertical Antennas for Fixed or Mobile Stations

Hy-Gain Multiband Fixed Vertical Antennas

Useful Amateur Station and Antenna Accessories

Hy-Gain CI Center Insulator. For doublet antennas. Takes 1/4" or 3/8" coax cable. Shpg. wt., 1 lb. 17 B 8351. 3.95
End Insulators. 7" long. Shpg. wt., 1 lb. 17 B 6249. Pair 2.00



Insulators



\$94.95



\$16.90



\$3.95



\$16.95



\$14.95



\$29.95



\$5.95



\$5.95



\$8.95

Johnson 250-23-3 Matchbox. 52 ohms to 25-1500 ohms balanced, 25-3000 ohms unbalanced. SWR meter. TR relay. Rated 750 watts PEP. Shpg. wt., 15 lbs. 17 B 9527X. 15 lb. 94.95
 17 B 9528 U. Above, but 3 kw PEP. 154.50

Bud LF-601A Low-Pass Filter. Rated 1 kilowatt, 80 through 10 meters. Cutoff at 42 MHz. Down 85 dB at 54 MHz. 52-72 ohms. Shpg. wt., 3 lbs. 17 B 8457. 16.90

Cush-Craft "Blitz-Bug" Coax Lightning Arrester. Prevents coax punctures from high SWR. Type 83 connectors. For connection directly to equipment. Shpg. wt., 4 oz. 17 B 8044. 3.95

Drake TV-1000-LP Low-Pass Filter. Rated 1 kilowatt, 80 through 10 meters; 200 watts on 6 meters. Cutoff at 52 MHz. 52 ohms. Shpg. wt., 2 lbs. 17 B 8455. 16.95

Johnson 250-20 Low-Pass Filter. Rated one kilowatt, 80 through 10 meters; 200 watts on 6 meters. Down 75 dB at 64 MHz. Shpg. wt., 4 lbs. 17 B 9525. 14.95

Johnson 250-39 TR Switch. Switches antenna between receiver and transmitter. Rated 4 kW. Needs no tuning. Coax fittings. For 115 volts, 50-60 Hz AC. Shpg. wt., 5 lbs. 17 B 8305. 29.95

Bumper Mount. Stainless steel. Fits any size bumper. No holes to drill. Shpg. wt., 1 lb. 17 B 6606. 5.95

Body Mount. Stainless steel. 3/8"-24 fitting. 3 lbs. 17 B 6607. 5.95

Extra-Heavy-Duty Stainless Steel Spring. For any size whip antenna. Standard 3/8"-24 fittings. Will keep its tension with the roughest use. Shpg. wt., 4 lbs. 17 B 6609. 8.95

A 18-HT "Hy-Tower" for 10-80 Meters. Deluxe, ruggedly constructed antenna system is self-supporting, 50' high. Power rating well over legal limit. X-braced. Stub decoupling. With base insulators. 52 ohms. Less cable, ground rod. Wt., 104 lbs. 17 B 8769 ZW. \$8 Monthly. 149.50

B 18-AVG Trap Vertical for 10-80 Meters. Easily-erected 32' vertical gives outstanding DX performance. Has 4 separate tuned traps, factory peaked for top coverage. 1 kW AM, 2 kW PEP. 52 ohms. Less coax, ground rod. Shpg. wt., 15 lbs. 17 B 9295 ZW. \$5 Monthly. 49.95

14-AVG Trap Vertical for 10-40 Meters. (Not illus.). Similar to 18-AVG, but for 10-40 meters only. Self-supporting, 20' high. Mounts on roof or ground. Takes 2 kW PEP. Shpg. wt., 9 lbs. 17 B 8765 ZW. \$5 Monthly. 32.50
 17 B 8767 ZW. Roof Mtg. Kit for 14-AVG. With mast, etc. Wt., 7 lbs. 14.95

C 18-V Trapless Vertical for 10-80 Meters. Low-cost 18' self-supporting vertical tunes 10-80 meters by simple adjustment. Heavy aluminum-tubing radiator, heavy base insulator. 52 ohms. Less coax. Wt., 4 1/2 lbs. 17 B 6043 X. 16.95

New-Tronics Vertical Antenna

D 48TV Vertical for *80-10 Meters. Aluminum antenna has precisely-tuned hi-Q traps. Rated 1 kW. Tunable elements. 19/8". 52 ohms. SWR 1.5:1. *80 meters with RM-75S below. Shpg. wt., 15 lbs. 17 B 9489 ZW. \$5 Monthly. 32.98



18-HT "Hy-Tower" 10-80 Meter \$149.50

\$8 mo



18-AVG 10-80 Meter \$49.95

\$5 mo



18-V Trapless 10-80 Meter \$16.95

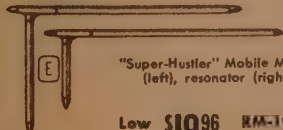
\$5 mo



New-Tronics 48TV 10-80 Meter \$32.98

\$5 mo

Hustler Mobile by New-Tronics



"Super-Hustler" Mobile Masts (left), resonator (right).

Low As \$19.96 RM-105 with Mast

New-Tronics "Super-Hustler" Mobile

E F Handles 2 kW PEP. Tuning coil provides broader band coverage. Consist of single-band resonator and fold-over 54" mast (order separately). 3/8"-24 stud. For 52-ohm coax. Height, 75" to 97". Shpg. wt., 1 lb.

Stock No.	Type	Description	EACH
17 B 9205 X	RM-10S	10-meter resonator	11.98
17 B 9206 X	RM-15S	15-meter resonator	13.98
17 B 9207 X	RM-20S	20-meter resonator	15.98
17 B 9208 X	RM-40S	40-meter resonator	19.98
17 B 9209 X	RM-75S	75-meter resonator	24.98
17 B 9879 X	MO-1	Mast for fender mtg.	7.98
17 B 9882 X	MO-2	Mast for bumper mtg.	7.98

Mosley High-Power Mobile Antenna

G "Lancer 1000" Multiband. Covers 80 through 10 meters with easily-interchangeable coils. Rated 2 kW PEP, 1 kW AM. Includes black canvas, compartmented zipper case for coils. Hinge for folding over antenna. Anti-corona ring, capacity coupler, and peaking adjustment. Height, 9'7". Shpg. wt., 6 1/4 lbs. 17 B 9491 ZW. \$5 Monthly. 79.61

MOSLEY



High-Power Multiband Mobile Antenna with Free Coil Case \$79.61

\$5 monthly

Popular Budget-Priced Amateur Accessories

Unique Wall Map-Clock Shows Time Everywhere

\$49.95 \$5
monthly

- Time at 70 Key Cities
- Five-Color World Map Set in Walnut Frame
- Functional, Decorative
- Fine for Office or Den

Lets you check the time in 70 of the world's major cities, and anywhere else on the globe! Functional and decorative, too! World Time Electric Clock is excellent for executive or student in office or den. Face has latest world map in five colors, set in handsome 15x22x5" walnut frame. Adjustable, enlarged indicator for local standard and daylight time. For 110-115 V, 60 Hz AC. Wt., 5 lbs.
17 B 9412 X. \$5 Monthly.....49.95



\$24.95

\$11.95



Calendar Watch
\$59.50



24-Hour Clock
\$8.37



Direct-Reading Clock
\$14.13



5-Position Coax Switch
\$7.95



Four PL-259 Connectors
\$1.59



Lightning Arrestor
\$19.95



Tunable Alternator Filter
\$6.95



Ignition Noise Filter
\$2.98



High-Pass TVI Filter
95¢



Magnetic Mike Clip
79¢



52-ohm Balun
\$14.95



Low-Cost FS Meter
\$5.95



SWR/FS Meter
\$9.95



Telephone Hamster
\$19.95

A New 15" World Time-Zone Clock. Shows time anywhere in the world at a glance! You simply set to your local time! Then read time automatically in the other 23 zones. Huge 15" dial face lists two cities in each zone. Has minute/second hands, hour dial that revolves once daily, red AM and black PM hours. For 110-120 V, 60 Hz AC. Wt., 3 lbs.
17 B 8993 X. \$5 Monthly.....24.95

B New 24-in-1 World Time-Zone Clock. Gives time anywhere in all 24 time zones. Stands on any flat surface, or can be wall-mounted. Includes time-conversion booklet. Case of 22-gauge steel is 8x8x2 3/4". For 110-120 V, 60 Hz AC. Wt., 3 lbs.
17 B 8990 X.....11.95

C Seiko World-Time Calendar Watch. Stainless steel, 17-jewel, automatic-winding wrist watch with link bracelet. Waterproof. Shows GMT, local, world time. Has second hand, 24 and 12-hour dials. From Japan. 3 oz.
17 B 9413 S. \$5 Monthly.....59.50

D Mastercrafters 191 Clock. 24-hour dial; 8" chrome case. South polar projection shows world time. For 110 V, 60 Hz AC. Shpg. wt., 1 1/2 lbs.
17 B 8472.....8.37

E Pennwood 100-24H Direct-Reading 24-Hour Clock. Digital-readout dial shows hours and minutes. Ideal for accurate log-keeping. Ebony case. Size, 4x7 3/4x4". For 110 V, 60 Hz AC operation. Shpg. wt., 5 lbs.
17 B 8474.....14.13

F Coaxial Switch. Two-pole, five-position. Rated at 1 kW, 80 thru 10 meters. Shpg. wt., 3 lbs.
17 B 6444.....7.95

G Four PL-259 Coaxial Connectors. MIL type. New—not replated. 1 lb.
17 B 6643.....Pkg. of 4 for 1.59

H Hy-Gain LA-1 Coaxial Lightning Arrester. Has SO-239 fittings; flange. For 52 or 72 ohms. Needs ground. 1 lb.
17 B 6566. \$5 Monthly.....19.95

J New Tunable Alternator Noise Filter. Attenuates noise in alternator-equipped cars for quieter mobile reception. Body, 3x1 1/2" dia.; has 3/8" mtg. holes on 2 1/4" ctrs. 8 oz.
17 B 8980.....6.95

K Ignition Noise Filter. Eliminates noise. Trimmer capacitor for tuning 3 thru 30 MHz. With mtg. bracket. Shpg. wt., 5 oz.
17 B 8512.....2.98

L Ameco HP-45 High-Pass TVI Filter. Rejects everything below 45 MHz. For 300 ohms. Shpg. wt., 3 oz.
17 B 8463.....95¢

M Magnetic Mike Clip. Excellent for mobile use. Wt., 3 oz.
17 B 1461.....79¢

N Hy-Gain BN86 Balun. Takes up to 2 kW PEP, from 3-30 MHz. 1:1 transformation ratio. For any 52-ohm balanced antenna system. Weather sealed. Mounting hardware for 1 1/2" to 2" dia. boom or mast. 2 lbs.
17 B 8240.....14.95

P Low-Cost Field-Strength Meter. Has four ranges covering 1.6 thru 150 MHz, and 200 μ A movement. Size, 2 3/8x3 3/8x1 1/8". Shpg. wt., 10 oz.
17 B 6589.....9.95

R SWR/Field-Strength Meter. Modestly priced unit checks forward/reflected power 1:1-10:1 SWR, plus FS. Handles 1 kW, 2 thru 30 MHz. 100 μ A; $\pm$ 5%. Five-section telescoping antenna. Size, 6 1/4x1 1/4x3". Wt., 10 oz.
17 B 6588.....9.95

S Telephone Handset for Ham or Cber. Push-to-talk. When off cradle, speaker is muted. Shpg. wt., 3 lbs.
17 B 6615. \$5 Monthly.....19.95

Add These Accessories to Your Station Now



A
NEW!
\$39.90



D
\$5.95



G
\$1.00



NEW!
Drake W-4
2 kW RF
Wattmeter
J
\$49.50
\$5 monthly



B
\$14.50



E
\$9.95



H
\$13.95



C
\$59.95



F
\$5.95



K
Filter Kit
\$14.95

A Electro-Voice 619TR Omnidirectional Microphone. Built-in solid-state compressor amplifier. Adjustable level; compression range, 150-10,000 Hz. -40 dB. Hi-Z. 9 3/4" high. 17 B 8655 X. Shpg. wt., 3 lbs. 39.90
18 B 5151: Eveready 216 Battery for Above. 3 oz. 4.95

B Telex HS-2000 Headset. 50-10,000 Hz. 6" cord; plug. 17 B 6070. Shpg. wt., 8 oz. 14.50

C Leece-Neville 53-Amp Alternator. With voltage regulator, 3/4" pulley (not for cars with 2 drive belts), bracket, cables. 12 VDC Pos/Neg. Wt., 17 lbs. 19 B 4039 X. \$5 Monthly. 59.95

D Lincoln Deluxe Mobile Headset. Single 1000-ohm headphone, 5' cord with phone tips; headband/cushion. 17 B 6209. Shpg. wt., 1 lb. 5.95

E SWR/FS Meter. Reads forward and reflected power. SWR, 1:1 to 10:1. Also shows field strength. Rated for 1 kW, 2-30 MHz. ±5% accuracy. From Japan. 10 oz. 17 B 6588 9.95

F Low-Cost Field-Strength Meter. 1.5-150 MHz. Magnet base. 12 3/4" whip. Size, 3 1/4 x 2 1/2 x 1 1/2". From Japan. 17 B 6589. Shpg. wt., 10 oz. 5.95

G Electro-Voice DX Calculator. Circular calculator puts DX data at your fingertips. Shows time differences, beam headings, postal rates, DX zones, much more. 10 1/2". 17 B 8650. Shpg. wt., 4 oz. 1.00

H Superex Com-S Headset. Extremely sensitive. Lightweight, adjustable headband. Foam-filled washable ear cushions. 100-10,000 Hz. 4-16 ohms. 7-ft. cord, plug. 17 B 6309. Shpg. wt., 1 lb. 13.95

J Drake W-4 RF Wattmeter. Reads forward and reflected power directly in watts (VSWR from nomogram). Two scales in each direction. 200 and 2000 watts full scale. Calibration accuracy, ±5%. 5 1/2 x 3 3/4 x 4". 4 lbs. 17 B 8245 X. 49.50

K Electro-Shield 6405 RF Interference Filter Kit. Greatly reduces RF interference due to ignition noise from your engine. Includes: 8 spark plug suppressors, coil cable assembly, 3 RFI filters, bonding braid and hardware. Easy-to-install. Instructions. 2 lbs. 17 B 8230 14.95

6415 Filter Kit. (Not illus.) Eight spark plug suppressors, coil cable assembly, RFI filter, hardware. 1 lb. 17 B 8235 8.95

Foam Polyethylene Coaxial Cable

Low As
\$2.95
Per Coil



- Top-Quality Coax Cable at Extremely Low Cost
- Features Low-Loss Foam Polyethylene Insulation
- Amphenol PL-259 Coax Connector On Each End
- For Amateur, Commercial or Citizens Band Use

Allied offers a top-quality RG cable at exceptionally low cost for the Ham or CB'er. Low transmission-line-loss foam polyethylene made-up coaxial cables. RG-8/U cable is 50 ohms impedance, handles 2000 watts RF at frequencies below 30 MHz. RG-58/U is 53.5 ohms, handles 430 watts. Black vinyl jacket. Amphenol PL-259 coax connector at each end except *PL-259 on one end, spade terms. on other.

17 B 8530. .20" Coil RG-58/U Cable. 1 lb. 2.95
17 B 6883. 50' Coil RG-58/U Cable. 2 lbs. 5.50
17 B 6884. 100' Coil RG-58/U Cable. 4 lbs. 8.95
17 B 8519. 50' Coil RG-8/U Cable. 7 lbs. 8.50
17 B 8522. 100' Coil RG-8/U Cable. 11 lbs. 13.95

Amateur and Special-Purpose Crystals

Peterson PR-Type Z-9C Transmitting Crystals. Pin spacing, .486". Pin dia., .093". Tolerance, ±.03%. Black phenolic holder. Size, 1 1/8 x 1 1/2 x 1/8". Specify frequency; supplied within ±5 kHz. Shpg. wt., 3 oz.

Stock No.	Frequency (kHz)	Stock No.	Frequency (kHz)	EACH
17 B 9379 CS	1800-2000	17 B 9403 CS	7000-7334	2.95
17 B 9381 CS	3500-4000	17 B 9402 CS	8000-8229	2.95
17 B 9380 CS	6740-6800	17 B 9404 CS	8330-8449	2.95

James Knights H-173 Amateur Crystals. Low-current types. Pin spacing, .486". Pin dia., .050". Special order; allow 30 days delivery. 3 oz. Specify freq.

Stock No.	Frequency	Tolerance	EACH
17 B 9382 CF	1.8-40 MHz	±.005%	4.95
17 B 9383 CF	41-54 MHz	±.005%	5.95

JK H-17 Frequency-Standard. .050" pin dia. .486" spacing. 3 oz.
17 B 9384 S. H-17T. 100 kHz Each 6.95
17 B 9385 S. H-17. 1000 kHz Each 7.95

JK Special-Application Crystals. .486" spacing; .093" pin dia. 3/4 x 2 1/8 x 1/8". .3rd overtone. Shpg. wt., 3 oz.

Stock No.	Type	Frequency	Tolerance	Application	EACH
17 B 9386 S	H-17L	4.5 MHz	±.005%	TV alignment	4.90
17 B 9387 S	H-17L*	27.255 MHz	±.005%	Radio control	2.50

Outstanding Values in Code-Sending Equipment



Save Up to \$8.45
On HA-1 and "Vibro-Keyer"



Vibroplex "Vibro-Keyer"
Keying Mechanism for
Use With HA-1 or 717

Save Up to \$5.45
On 717 and "Vibro-Keyer"



Hollcrafters HA-1 "T. O." Keyer

\$79.95
\$5 monthly

- Sends Your Code with Complete Accuracy
- Timing Circuits of 10-30 and 35-75 wpm

Advanced electronic keyer features timing circuits (10-30 and 35-75 wpm) for perfectly spaced, self-completing dots and dashes. Has monitor, speaker, headphone jack, neon keying indicator light. Rear connections for break-in operation and aux. control. Mercury wetted relay 5x7x7". Order key separately. Shpg. wt., 9 lbs.

17 B 919, 80 Monthly..... **79.95**
17 B 0020 12X, Hollcrafters HA-1 and "Vibro-Keyer", Same \$7.00. Shpg. wt., 12 lbs. 80 Monthly..... **90.95**
17 B 0021 12X, Hollcrafters HA-1 and Deluxe "Vibro-Keyer", Same \$8.45. Shpg. wt., 12 lbs. 80 Monthly..... **95.95**

Vibroplex "Vibro-Keyer" Keying Mechanism. Precision made key has friction lever for fast, effortless sending, adjustable contact spacing and tension for individual preference. 3rd contacts, designed for dependable long-life operation.

Eico 717 Electronic Keyer Kit

\$49.95
\$5 monthly

- Sharp, Self-Completing Dots and Dashes
- Monitoring Oscillator, 3x5" PM Speaker

Excellent electronic keyer kit features 4 overlapping ranges from 3 to 65 wpm; sharp, self-completing dots and dashes. Has monitoring oscillator, 3x5" PM speaker, 6 tubes, 2 silicon rectifiers. Controls: function; off/tube/operate; 4 position speed range, speed vernier, monitor tone, vol. ume. 6 1/2x8x1 1/2". Shpg. wt., 10 lbs.

17 B 9492 X, 80 Monthly..... **49.95**
17 B 0022 12X, Eico 717 and "Vibro-Keyer", Same \$4.00. Shpg. wt., 13 lbs. 80 Monthly..... **53.95**
17 B 0023 12X, Eico 717 and Deluxe "Vibro-Keyer", Same \$5.40. Shpg. wt., 13 lbs. 80 Monthly..... **58.95**

Attractive chrome finished parts. Heavy colored base has rubber feet, stays stable. Shpg. wt., 3 lbs.

17 B 8946..... **18.95**
17 B 8947, Deluxe "Vibro-Keyer", Chrome-plated base. **24.45**



Johnson Speed-X Code Keys

[A] 114-320 Standard Key. Hand key with chrome-plated key arm suspended from hardened steel bearings. Navy-type knob, 1/4" coin-silver contacts. Adjustable contact spacing and spring tension. Black base. 2 lbs.

17 B 8920..... **4.95**

[B] 114-100-3 Deluxe Hand Key. Precision-made key has carefully tempered spring and hardened fine-point pivots for smoothest sending. Spring tension, contact spacing and bearing pressure are adjustable. .072" dia. contacts. Satin-brass finish. Shorting switch.

17 B 8912, Shpg. wt., 2 lbs..... **8.50**
17 B 8919, 114-100, Above, less shorting switch..... **7.75**

[C] 114-320 Semi-Automatic Key. Contact spacing and sliding weight easily adjust to desired speed. Has circuit-closing switch and 1/4" coin-silver contacts. Rubber feet prevent marring finished surfaces. Heavily chrome-plated hardware. Black die-cast base. Shpg. wt., 4 lbs.

17 B 8921..... **18.50**

[D] 114-501 Deluxe Semi-Automatic Key. Features rugged 1 1/2" contacts; heavily chrome-plated arm, posts and machined parts. Adjustable sending speeds; 5 locknut adjustments. Plastic paddles adjust separately. Polished chrome base, rubber feet. Shpg. wt., 5 lbs.

17 B 8934, 85 Monthly..... **27.50**



Vibroplex Semi-Automatic Keys

[E] "Original" Semi-Automatic Key. Easy-working "bug" for speeds from 10 wpm on up. Used by many veteran operators. Chrome-plated mechanism; gray cast-iron base with slip-proof rubber feet. Shpg. wt., 5 lbs.

17 B 8939, 80 Monthly..... **24.95**
17 B 8940, Deluxe "Original". Above with jeweled bearings, and chrome-plated base. 5 lbs. 80 Monthly..... **29.95**

[F] "Champion" Semi-Automatic Key. Chrome-plated mechanism, designed for smooth, easy operation. Gray crackle-finish base. Shpg. wt., 4 lbs.

17 B 8949, 80 Monthly..... **19.95**

[G] "Presentation" Semi-Automatic Key. Beautifully crafted key with adjustable mainspring for wide speed range. Jeweled movement resists friction, prolongs life. Chromium parts, mounted on 24K gold plated base top. Red knob, finger and thumb pieces. Rubber feet on bottom prevent slipping, preserve surface finishes. Wt., 5 lbs.

17 B 8942, 80 Monthly..... **39.95**

Carrying Case. (Not illus.) For all Vibroplex keys listed above. Protective cloth lining. Includes lock, key and handle. Shpg. wt., 2 lbs.

17 B 8944..... **6.75**

Cord and Wedge Set. For above keys. Shpg. wt., 3 oz.

17 B 8945..... **2.75**

Learn or Improve Your Code the Easy Way



Johnson Code Practice Aids

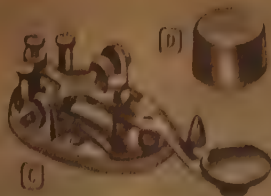
• Low-Cost Hand Key **\$3.50**
—Fully Adjustable Key

A Johnson 114-310 Standard Key. Excellent for the beginner or experienced operator, for learning code or actual sending. "Cushion contact" design offers smooth action. Mechanical parts are nickel-plated. $\frac{1}{4}$ " silver contacts. Adjustable tension, spring bearings. Rkpg. wt., 2 lbs.

17 B 8903 **3.50**

B Johnson 114-400 Buzzer. Constant frequency buzzer for code practice. Mercur adjustment varies stable high-frequency tone to your particular preference. Requires two $1\frac{1}{2}$ -volt batteries. Rkpg. wt., 5 oz.

17 B 8911 **2.00**



Top-Value Key and Buzzer

• Ideal for the Beginning Ham Both For **\$2.79**

Purchased Separately, \$3.33. Practice will make your code perfect with this low-cost hand key and buzzer outfit. Ideally suited for novice code study. And, our outfit price saves you 54¢. Key has polished solid-brass base, silver contacts, fully adjustable tension and spring, nickel-plated hard wear, shorting bar and black knob. Buzzer has convenient screw adjustment to vary the stable high-frequency tone, with muffled base and cap. Requires two $1\frac{1}{2}$ -volt batteries. From Japan. Rkpg. wt., $2\frac{1}{2}$ lbs.

17 B 9025 Both for **2.79**

17 B 6656, Key Alone. (C) $\frac{1}{2}$ lbs., **2.35**

17 B 9018, Buzzer Alone. (D) 6 oz. **.98**

Hallcrafters Code Outfit



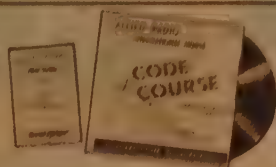
Ready for Easy Code Practice **\$9.95**

Model MA 18A. New Hallcrafters transmitterized code practice oscillator outfit is specially designed for use by hobbyists, amateurs and anyone aspiring to become an Amateur Radio Operator or learn the code. Outfit includes a portable solid-state battery-operated code oscillator, two penlight batteries, a code practice key and connecting wires. Wired and ready for use. With variable pitch control and built-in speaker. Has standard $\frac{1}{4}$ " jack for headphones. Compact polyester case, 1 lb.

17 B 9040 **9.95**

A Sure-Fire Way to Learn or Improve Your Code

\$4.49



Allied Code Course

Ten code lessons on one 12" $33\frac{1}{4}$ rpm LP record. Teaches you to send and receive code. Consists of 5 lessons on each side calculated to advance you to a speed of 15 words per minute. Table of International Morse Code is included on back of the jacket. With instruction booklet containing lessons identical to those on record. Rkpg. wt., 1 lb.

17 B 8573 **4.49**

Rider Code Courses

"Night 'N' Bound" course on 10", $33\frac{1}{4}$ rpm records. Advance 1 wpm a day.

17 B 8558, REC-08 Novice Course. (0-8 wpm.) 2 LP's, 47 cards and book. 2 lbs. **9.50**

17 B 8564, REC-920 Advanced Course. (8-20 wpm.) 3 LP's, cards, book. 2 lbs. **8.95**

17 B 8565, REC-20 Complete Course. (0-20 wpm.) 6 LP's, cards, book. Wt., 6 lbs. **15.95**

Ameco Code Courses

Junior: one $33\frac{1}{4}$ rpm LP: 0-7½ words per minute. Advanced: one $33\frac{1}{4}$ rpm LP: 8½-18 words per minute. Senior: two $33\frac{1}{4}$ rpm LP's: 0-18 words per min. with 28-pg. manuals.

Stock No.	Course	WPM	Lbs.	EACH
17 B 8592	Junior	0-7½	1	4.95
17 B 8596	Advanced	8½-18	1	4.95
17 B 8617	Senior	0-18	2	9.50

Low-Cost Dual & Single Headsets

Dual Headphones. General-purpose type for code practice, shortwave, Ham use. Vinyl-covered double headband with adjustable yokes. 1100 ohm magnets, $1\frac{1}{2}$ " diaphragm. $\frac{1}{2}$ "-ft. cord, phone tips, $\frac{1}{4}$ " lb.

17 B 6683, 2000 Ohms **2.49**

17 B 6699, 11 Ohms **2.49**

Single Headphone. Ideal for low-cost code practice use. $1\frac{1}{2}$ " diaphragm spring metal headband, permanently attached. $\frac{1}{2}$ "-ft. cord, phone tips. 1000 ohms. Wt., 8 oz.

17 B 6685 **1.29**

Dual **\$2.69**

Single **\$1.29**



Handy Code Practice Oscillators

Eico 706 Oscillator Kit. All-transistor unit has built-in $2\frac{1}{2}$ " speaker, pitch control, head-phones jack, switch selects tone, flashing light or both. $6\frac{1}{2}$ "x $3\frac{1}{2}$ "x $2\frac{1}{2}$ ". With battery. Rkpg. wt., 2 lbs.

17 B 8427, Kit Form **8.95**

17 B 8421, Factory Assembled **12.95**

Ameco OM Oscillator/Monitor Kit. Transistorized, with speaker, tone control, head-phones jack. Monitors RF output without connection to transmitter. $6\frac{1}{2}$ "x $3\frac{1}{2}$ "x $2\frac{1}{2}$ ".

17 B 9076, Kit Form. Wt., 2 lbs. **9.95**

17 B 9077, Factory Assembled **12.95**

Ameco CP-21 Oscillator. Deluxe factory assembled unit has 4" speaker, volume and tone controls. Provides an keying monitor. $6\frac{1}{2}$ "x $3\frac{1}{2}$ "x $2\frac{1}{2}$ ". For 110-120 V, AC in 100.

17 B 8722, Rkpg. wt., 4 lbs. **14.95**

See Page 509 for full specs on Knight-KH LC 1 Code Practice Oscillator Kit

Business/Industrial and Marine Radio Equipment

15 Watts
\$219.50
\$11 monthly



JOHNSON Messenger 215 Business 2-Way Radio

Powerful tube-type, 15-watt, 25-50 MHz 2-way radio for base station or mobile use. Built-in 117 VAC/12 VDC power supply. For business, industrial, or municipal plant. Offers greater range and better performance than Citizens Band equipment. Takes 50-ohm antenna, $5\frac{1}{2} \times 7 \times 11\frac{3}{4}$ ". With push-to-talk hang-up mike, AC/DC power cords, crystals. Type Accepted FCC Rule Parts 21, 89, 91, 93. Specify Your Assigned Frequency. Shpg. wt., 18 lbs. 17 B 6385 KF. Allow 30 days for delivery..... \$219.50

\$189.50 5 Watts—Solid-State
\$10 monthly



JOHNSON Messenger 205 Business 2-Way Radio

Solid-state 5-watt, 25-50 MHz 2-way radio, ideal for mobile-to-base use with 215 at left. Can be used with higher antenna (up to 180 feet) than Citizens Band equipment. Receiver brings in even weak signals with clarity. Built-in 12 VDC power supply. Takes 50-ohm antenna, $2\frac{1}{2} \times 6\frac{1}{2} \times 8\frac{3}{4}$ ". Mounting bracket, power cord, hang-up mike, crystals. Type Accepted FCC Rule Parts 89, 91, 93. Type App. DOT RSS 136. Specify Your Assigned Frequency. $6\frac{1}{2}$ lbs. 17 B 6380 XF. Allow 30 days for delivery..... \$189.50



SONAR 75A Solid-State 75-Watt Marine Radio-Telephone

- Six Marine Channels, Broadcast Band
- High Efficiency • Low Battery Drain

Powerful 2-6 MHz 2-way radio featuring 6 crystal-controlled marine channels, and built-in AM broadcast receiver. 45 watts power output into standard FCC dummy load. FCC Type Accepted. Meets FCC requirements for commercial boats carrying 6 or more passengers. Universal mounting tray. Push-to-talk mike, 3 pairs of marine crystals, $13\frac{1}{2} \times 10\frac{1}{2} \times 6\frac{1}{4}$ ". For 12 VDC. 16 lbs. 17 B 6545 K. \$15 Monthly..... \$299.50



SONAR DC-480 Chart/Flasher and Depth Recorder

- For Safe, Sure Navigation
- Only 5-Amp Current Drain

A sensitive instrument that records your voyage and gives you an instant flashing indication for safe navigation. Useful in unfamiliar channels. Helps you find schools of fish and underwater wrecks. Illuminated chart, transducer, adjustable gimbal for quick removal, fairing block. Range: chart, 0 to 240 ft.; flasher, 0 to 480 ft. Soundings: 5 per sec. 200 kHz. $10\frac{3}{4} \times 6\frac{3}{4} \times 6\frac{3}{4}$ ". 12 VDC pos. or neg. 10 lbs.

17 B 9700 K. \$12 Monthly..... \$239.95



SONAR D-120B Marine Depth Indicator

- Extremely Accurate to 250 ft.
- Even Locates Schools of Fish

Prevents running aground in unexpected shallow areas. Excellent for everything from small fishing craft to large yachts. Indicates depths from 1 to 250 ft. Easy-to-read 360° 4" scale with 1-ft. graduations. Rugged one-piece, non-magnetic construction. Easily installed even while boat is in water. For bulkhead mounting. Transducer, gimbal, fairing block. $7\frac{1}{2} \times 11\frac{1}{4} \times 7\frac{1}{2}$ ". For 12 VDC. 10 lbs. 17 B 6544. \$7 Monthly..... \$139.50

BENDIX Solid-State "Navigator 420" Radio



- 3-Band Radio with Direction Finder
- Highly Sensitive 8-Transistor Circuit

Tunes marine frequencies, homing beacons, weathercast, and AM broadcast band. Covers 190-400 kHz, 550-1600 kHz, 1500-4500 kHz. BFO. Rotating antenna and built-in meter; DF level control; calibrated optical sights; tuned RF stage. $5 \times 8 \times 2\frac{1}{4}$ ". Carrying handle/bracket, batteries, earphone, leather case, strap. Shpg. wt., $3\frac{1}{2}$ lbs. 17 B 6542. \$5 Monthly..... \$99.50



Deluxe TAYLOR Commander Marine Compass

- Extended Lubber Line
- 5° Graduations
- Jewel Bearing

Professional features. Has accurate magnetic scale. Illuminated dial. Black wrinkle finish, rustproof metal case. Size, $3\frac{3}{8}$ " dome. Supplied complete with hardware for quick installation. Shpg. wt., $2\frac{1}{2}$ lbs. 17 B 6540..... \$14.95

Perma-Power Garage Door Openers for Safety and Convenience

Motor Rides
Guide Tube



Receiver,
Automatic Light

Deluxe, Modern Features!



Transistorized
Control Transmitter

For Either Horizontal
or Curved Roller Track



No Need to Get Out of Car,
You Stay Warm and Dry

No More Heavy Lifting,
Door Opens Automatically

Low-Cost Friction-Drive System

\$119⁹⁵

\$6 monthly

- Low Price Any Home Owner Can Afford
- Saves Steps, Takes Load Off Your Back
- Opens Garage Door, Turns On Lights
- Operates 1-Piece or Sectional Doors

Once you've enjoyed the safety and convenience of a radio-controlled garage door opener, you'll wonder how you ever got along without it. You open your garage door from inside your car to keep safe and dry in all weather. And it's priced so any home owner can afford to own one.

Low-cost model, recommended for 1-piece doors. Simply touch button on pocket-size transmitter—door opens and garage light goes on. Press button again, door closes, locks automatically, and light turns off. It's completely safe—power shuts off automatically if door travel is ever obstructed. Door can still be operated manually at any time. Transmitter operates on crystal-controlled FCC-authorized frequency. No FCC license is required.

Use with any free-rolling 1-piece or sectional residential-type garage door (up to 10-ft. wide) using horizontal or curved roller track. Mechanical power is obtained by friction drive. With motor mechanism and receiver (for 110-120 V, 50-60 Hz AC); battery powered transistorized transmitter; antennas; manual pushbutton; wire; hardware; and instruction booklet. Shipped by express. System with Pocket Transmitter for Channel B10P.

7 B 8008 ZW. Shpg. wt., 60 lbs. \$6 Monthly..... **\$119.95**

Alternate-Frequency System and Extra Units

Extra Pocket Transmitter for Channel B10P. To be used by second car in two-car garage. Shpg. wt., 1 lb.

7 B 8018. \$5 Monthly..... **\$19.50**

Complete Alternate-Frequency System. Same system as above, but for use when there is another system in your vicinity already using channel B10P. Shpg. wt., 30 lbs. Shipped Express. Allow 30 days for delivery.

7 B 8009 CZF. \$6 Monthly..... **\$119.95**

Extra Pocket Transmitter for Alternate System Above. Specify channel. Allow 30 days for delivery.

7 B 8011 CF. Shpg. wt., 1 lb. \$5 Monthly..... **\$19.50**

Perma-Power RT-400 Complete Remote Control System

Control practically anything from anywhere—ideally suited for gates, lights, alarm systems, pumps, many other remote-control switching applications. Consists of: all transistor 110-120 V, 60 Hz AC receiver; pocket-size, portable transmitter; wire antenna; connecting cable; wiring diagrams; instructions. Outdoor range: 500-ft. or more with special CB antenna. Indoor range: at least 50-ft. and up to several hundred

feet depending on structure of building and presence of metal obstructions. Maximum operating distance may be reduced by simple adjustment. Receiver is metal-cased, designed for permanent installation. Two load-switching relays for maximum flexibility—one momentary-type, actuated during signal reception; one sequence-type which holds until second signal is received.

17 B 6333 X. Wt., 11 lbs..... **\$109.95**

Complete System

\$109⁹⁵

\$6 monthly



Deluxe Heavy-Duty Chain-Drive System

\$149⁵⁰

\$8 monthly

- Pulse-Tone Circuit for Extra Security
- Raises Large Doors 20 Feet Wide
- Portable or Under-Dash Transmitter
- No FCC Operating License Required

Powerful chain drive will smoothly open heavy, 20-ft.-wide residential garage doors using either horizontal or curved roller track. Touch a button on transmitter in your car, and the door glides open and garage light goes on. Touch button again, door closes and light automatically goes out after 2-3 minute delay. Positive closing of door is assured.

Special transistorized pulse-tone circuit prevents accidental opening by other transmitters. Choice of two transmitters—a pocket-size portable or an under-dash unit with a dash-mounting pushbutton. Crystal-controlled radio equipment. With motor mechanism and receiver (for 110-120 V, 50-60 Hz AC); one transmitter; antenna; manual pushbutton; hardware; instructions. Requires only 2 1/4" between high arc of door and ceiling.

System with Pocket Transmitter for Channel B10P.

17 B 8007 ZW. Shpg. wt., 65 lbs. \$8 Monthly..... **\$149.50**

Extra Pocket Transmitter for Channel B10P. For second car. 17 B 8018. Shpg. wt., 1 lb..... **\$19.50**

Complete System with Under-Dash Transmitter. Operates from 12 volts DC—switch selects either positive or negative ground. For Channel B10P. Shipped express. 65 lbs.

17 B 8013 ZW. \$8 Monthly..... **\$149.50**

Alternate-Frequency System and Extra Units

Alternate-Frequency Deluxe Door Opener. As systems above, but for different channel. Specify portable or under-dash transmitter. Express. Allow 30 days for delivery.

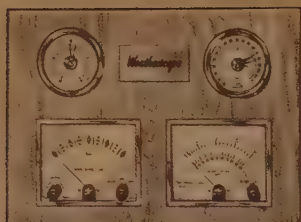
17 B 8012 CZF. Wt., 65 lbs. \$8 Monthly..... **\$149.50**

Extra Transmitter for Alternate-Frequency System. Specify Alternate System's channel, portable or under dash. Allow 30 days for delivery.

17 B 8014 CF. Wt., 1 lb. \$5 Monthly..... **\$19.50**

Key Switch. Use with Deluxe System above, for manual operation of garage door from outside. With 2 keys.

17 B 8015. Shpg. wt., 6 oz..... **\$4.20**



A **\$189.50**
\$10 monthly

Precise Weather Instruments

FORECAST, INDICATE, RECORD THE WEATHER



B **\$24.95**
\$5 monthly



Ideal Hand-Held
Windmeter for
Outdoor
Sportsmen

C **\$5.95**

A TAYLOR Weatherscope

Barometer shows pressure and forecast. Outdoor thermometer has past high and low indicators. Wind speed and direction meters with 60' cable, outdoor wind vane and anemometer. 17x12" walnut panel. 40" ca. 17 B 6860 X. Wt., 16 lbs. 189.50
17 B 6851 X. Windscope. (Not illus.) Wind speed and direction indicator in 6 3/8 x 5 1/2" case. Outdoor wind vane and anemometer. 60' cable. 10 lbs. 89.95

B Wind Speed Indicator

Convenient instrument offers high accuracy and low cost. Wind velocity is registered by liquid filled tube. No calculations, reads like a thermometer. Indicator calibrated in both miles-per-hour and Beaufort scale designations. Reads from 0 to 80 miles per hour. Outside fitting resembles a weathervane, mounts on any elevation. 50-ft. lead-in incl. 6x7x1". Wt., 5 lbs. 17 B 6538. \$5 Monthly. 24.95

DWYER

C Hand-Held Wind Meter

Sturdy, accurate instrument gives you both high and low scales for wind velocity measurement—from 0-10 and 2-60 miles-per-hour. No complicated calculations, just hold instrument at eye level, with its back to the wind, and read velocity directly from the scale. Accuracy: $\pm 1/2$ mph on low scale, ± 3 mph on high scale. 1 3/8 x 6 3/4 x 1 1/2". Shpg. wt., 1/2 lb. 17 B 6539. 5.95

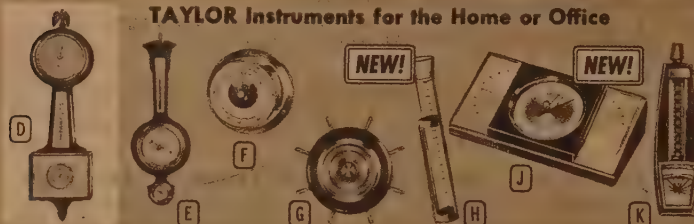
Our Lowest Priced Home Weather Station . . . Three Instruments on One Panel



Complete
\$8.95

Warns of approaching storms. Helps you to properly set room heat, air conditioning, regulate humidity. Shows variations in temperature, barometric pressure, and humidity . . . instant and accurate measurements at a glance. Wood-grain finished panel. Instruments turn 90° for vertical or horizontal placement. 5 1/4 x 15 1/2". 17 B 6855. Shpg. wt., 2 lbs. 8.95

TAYLOR Instruments for the Home or Office



D Federalist Stormscope. Barometer, thermometer and hygrometer in a prestige walnut case with brass and leatherette trim. 31x8 1/2". 8 lbs. 17 B 6865 X. \$5 Monthly. 54.95

E Statesman Stormscope. Temperature, pressure and humidity on one instrument. Pendant style. Mahogany, brass trim. 21 1/2 x 7 1/2". 17 B 6853 X. \$5 Monthly. 3 lbs. 24.95

F Deluxe Barometer. Navy-type for wall mounting. Compensated movement for extreme accuracy. Off-white 5 1/2" dial. Heavy brass case, 6 3/4" flange. Shpg. wt., 2 1/2 lbs. 17 B 6864 X. \$5 Monthly. 59.95

G Ship's Wheel Barometer. Calibrated 29-31". Solid mahogany with brass pommels and trim. 6" dia. 17 B 6854. Shpg. wt., 2 lbs. 12.95

H Clear-Vu Rain Gauge. Precision gauge, made of clear, tough Tenite. Has 5" gauge. Easy to read, install and maintain. Complete with mounting bracket, precipitation chart, and instructions. Wt., 8 oz. 17 B 6868. 4.35

J New! Inclined Combination Barometer. This barometer has walnut finish base with rich silver trim. Spun brass dials show barometric pressure, temperature and humidity. 9x5x13 1/2". Wt., 2 lbs. 17 B 6872. 18.95

K Thermometer/Hygrometer. Registers indoor-outdoor temperature and indoor humidity. Richly grained walnut finish panel with gold-plated trim, finial. 13x3 1/2". 17 B 6850. Shpg. wt., 15 oz. 9.95



TAYLOR Permanent Recorder

Barometer or Thermometer **\$49.95**
\$5 monthly

- Permanent 7-day Record
- Sensitive UNI/MAG Movement

Provides a permanent 7-day record of variations in barometric pressure or temperature. Barometer range: 29-31 inches of mercury, correctable from sea level to 10,000 ft. Thermometer range: -40 to +120 degrees F. 6 1/2 x 13 x 6 1/2". Both complete with 13 charts, ink, and instructions. Thermometer also with 8' capillary tubing. 5 lbs. 17 B 6861 X. Barometer. 49.95
17 B 6862 X. Thermometer. 49.95

Step-Saving, Versatile Home Intercoms



Fanon Lowest Cost Wireless Solid-State System

2-Station System **\$19⁹⁵** \$5 monthly

Just plug units into 110 VAC outlets and start talking—perfect for home or office. Ideal “babysitter.” Quieting circuit cuts background noise. Each unit has press-to-talk button; monitoring switch; on/off volume. Ivory color. 3x4x2”. Japan.
12 B 8196. Wt., 2½ lbs. 19.95



Fanon Deluxe 2-Channel Wireless Solid-State System

2-Station System **\$59⁹⁵** \$5 monthly

Model FIW-2. Deluxe two-station, two-channel intercom with powerful 1-watt audio output. 2 switchable channels. On/off, volume, talk/listen, squelch controls. Two-tone gray finish, aluminum trim. 9½x4x3”.
12 B 8234 X. Shpg. wt., 5 lbs. 59.95
12 B 8235 X. Extra Unit. 2½ lbs. 31.50



Fasco 2-Channel Wireless Solid-State System

2-Station System **\$34⁹⁸** \$5 monthly

Excellent value! 2-channel design. Allows separate conversation on 2 separate channels. Selector switch; squelch control; talk/listen switch; volume control. 2½x6½x6½”.
12 B 8100. Shpg. wt., 6 lbs. 34.98
12 B 8111. Extra Station. Any number may be added. 3 lbs. Each 17.49

Versatile Wired Intercoms



\$63⁹⁵
\$5 monthly

NuTone “Commu-Ni-Com” 4-Station System

- Master and Stations Mount Conveniently On Wall
- Any Station Can Talk to Any Other Station or Door
- Stations Have Talk/Listen Switch, Monitor Position

Four-station solid-state intercom and door-answering system features easy surface mounting or flush mounting with “A” Frame below. Includes Amplifier/Master Station; 3 Indoor Stations; Door Station; 16-V Transformer; 50-ft. Cable. For 110-120 V, 60 Hz AC.

12 B 8177 X. Shpg. wt., 10½ lbs. 63.95
12 B 8186. Extra Model 472B Indoor Station. 6¾x4½x1½”. Shpg. wt., 1½ lbs. 7.69
12 B 8187. Extra Model 471 Door Station. 4½x3¾x1½”. Shpg. wt., 1½ lbs. 6.95
12 B 8185. 250’ 8-Conductor Cable. Wt., 12 lbs. 13.59
12 B 8191. Type 472-A “A” Frame. 6½x4½”. 6 oz. 84¢

NuTone Electronic Door Chime

Model L-74. Use with any NuTone intercom system. Mounts on wall. 2-notes for front, 1-note rear. With transformer. 7½x8x2½”. 110-120 V, 50-60 Hz AC.

12 B 8195. Wt., 1¾ lbs. 13.95

\$13⁹⁵



\$41⁰⁰

\$5 monthly



Talk-A-Phone All-Master Intercom Stations

Each station can originate a call, separate conversations can be handled simultaneously. With press-to-talk bar, volume control. Finished in leather-like gray vinyl and chrome. Order cable from page 348. 3½x10½x8¾”. U.L. Listed. For 110-120 V, 50-60 Hz AC or DC.
Model T-LS-5. For up to 5 stations. Uses Type 5506 6-Conductor Cable. See pg. 348.
12 B 8054 X. Shpg. wt., 6¼ lbs. Each 41.00
Model T-LS-10. For up to 10 stations. Uses Type 9911 11-Conductor Cable. See pg. 348.
12 B 8055 X. Shpg. wt., 8 lbs. Each 50.40

Entire Talk-A-Phone Line Available from Allied



T-LR-3R

\$41⁰⁰

\$5 monthly



T-LR-3

Talk-A-Phone Master-Sub Stations

Can call Master, but not each other. Ideal for inventory or stock checking. Master has press-to-talk switch, volume control. Subs, 3½x7½x8¾”. U.L. Listed. Order cable on pg. 348. For 115 V AC-DC.

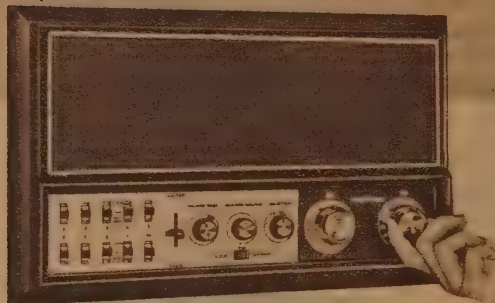
T-LM-5 Master. For up to 5 Subs. Shpg. wt., 6¼ lbs.
12 B 8058 X. Each 41.00
T-LM-10 Master. For up to 10 Subs. 7 lbs.
12 B 8059 X. Each 50.40
T-LR-3 Sub-Station. Stainless steel front. 4 lbs.
12 B 8052 X. Each 18.50
12 B 8138. T-LR-3R Substation. Above, but for flush wall mtg. Size, 4½x7½x6”. Wall opening, 4½x6½x2” deep. Gray, chrome. Shpg. wt., 4 lbs. Each 14.40
12 B 8062. T-LR-3M Substation. Same as T-LR-3R, but grain, baked enamel finish. Shpg. wt., 4 lbs. Each 14.40

Nutone Custom Home Radio-Intercoms



Safety Feature!

You Can Identify Caller Before Opening the Door



Solid-State Master with FM-AM Radio

\$119.95

\$6 monthly

- Accepts Up to 10 Stations
- Talk/Listen Switch for Doors

Model 2067. Enjoy Master-to-Remote and Remote-originated intercommunications, plus FM and AM radio, throughout your home. All-Transistor Master can "page" up to 10 Stations individually or simultaneously. Also features: talk/listen switch for door answering; function switch (including AFC for drift-free FM reception); volume and tone controls; 7x5" speaker; phono jack; local/distant FM station switch. 10 transistors, 9 diodes. 10 $\frac{1}{2}$ "x17 $\frac{1}{4}$ "x1 $\frac{1}{4}$ "—extends 1 $\frac{1}{2}$ " from wall. Eggshell white and silver anodized. With rough-in box (7 $\frac{3}{8}$ "x14 $\frac{1}{4}$ "x1 $\frac{1}{4}$ ") and hardware. Order Remote Stations and cable below. For 110-120 V, 60 Hz AC. Shpg. wt., 19 $\frac{1}{2}$ lbs.

12 B 8188 X. \$6 Monthly. **119.95**

12 B 8189 X. Model 2068. Above, copper finish. **119.95**



Remote Stations for Master Above

E 2021 Hi-Fi Indoor Remote Station. 8" speaker; "Break-Away" detachable control panel; volume and talk/listen controls. 12x12x2 $\frac{1}{8}$ ". Desert sand finish. 3 $\frac{3}{4}$ lbs.
12 B 8192 X. **15.95**
12 B 8042 X. 2411A "A" Frame. 12 $\frac{1}{2}$ "x11". Wt., 1 $\frac{1}{4}$ lbs. **1.85**

F 2027 Indoor Remote Station. 5" speaker; volume, talk/listen controls. Size, 6 $\frac{1}{2}$ "x8 $\frac{1}{2}$ ". Desert sand. With rough-in frame, 5 $\frac{1}{4}$ "x8 $\frac{1}{2}$ "x1 $\frac{1}{2}$ ". Shpg. wt., 1 $\frac{1}{2}$ lbs.
12 B 8172. **6.95**

G 412 Door Remote Station. 3" speaker; talk/listen switch. Weatherproof. Size, 3 $\frac{3}{4}$ "x4 $\frac{1}{2}$ ". Gold. Surface mounting. Projects 1 $\frac{1}{2}$ ". Shpg. wt., 1 $\frac{1}{2}$ lbs.
12 B 8193. **10.95**

3-Conductor Cable. For 2067, 2068, Remote Stations.
12 B 8039. 200-ft. Roll. Shpg. wt., 2 $\frac{3}{4}$ lbs. **5.49**
12 B 8040 X. 1000-ft. Roll. Shpg. wt., 13 lbs. **19.95**

Feature-Packed All-Transistor Master with FM-AM Radio . . Takes Up to 16 Remote Stations



Master Station \$149.95 \$8 monthly

A Deluxe Solid-State Master with FM-AM

Model 2561. Offers room-to-room intercom, door-answering from any station, plus FM-AM radio. Turn music off to any Station, and still send and receive calls. Radio mutes automatically when intercom is used. Takes up to 16 Remote Stations. 6x9" speaker. AFC prevents FM drift. With antennas, transformer, rough-in frame (7 $\frac{3}{8}$ "x17 $\frac{1}{2}$ "x9 $\frac{1}{8}$ "), hardware. Walnut with silver finish. Front, 16 $\frac{1}{2}$ "x8 $\frac{1}{2}$ "; projects 2" from wall. For 110-120 V, 60 Hz AC. Shpg. wt., 14 $\frac{1}{4}$ lbs.

12 B 8180 X. \$8 Monthly. **149.95**

12 B 8181 X. Model 2562. Above, copper finish. **149.95**

Remote Stations and Intercom Cable

B 2572 Hi-Fi Indoor Remote Station. 8" speaker; "Break-Away" control panel; volume, function controls; 2 talk/listen levers; rough-in frame. 12x12". Desert sand. 12 B 8184 X. Shpg. wt., 5 $\frac{1}{4}$ lbs. **21.49**

C 2570 Indoor Remote Station. 5" speaker; volume, function controls; 2 talk/listen levers. 6 $\frac{1}{2}$ "x9 $\frac{1}{8}$ ". With rough-in frame, 5 $\frac{1}{4}$ "x7 $\frac{1}{2}$ "x1 $\frac{1}{8}$ ". Shpg. wt., 3 $\frac{1}{2}$ lbs.
12 B 8182 X. **13.49**

D 2571 Door Remote Station. Controlled by indoor Stations. Weatherproof. 6 $\frac{1}{4}$ "x4 $\frac{1}{2}$ ". Black and gold. With rough-in frame, 5 $\frac{1}{4}$ "x3 $\frac{3}{8}$ "x1 $\frac{1}{4}$ ". Shpg. wt., 1 $\frac{1}{2}$ lbs.
12 B 8183. **9.98**

8-Conductor Cable. For 2561, 2562, Remote Stations.
12 B 8083. 50-ft. Roll. Wt., 2 $\frac{1}{2}$ lbs. **4.98**
12 B 8185. 250-ft. Roll. Wt., 8 lbs. **13.59**



5-Station System with AM Radio

Model 2031. This 5-station intercom/music system feeds AM radio programs to any room desired. All Stations can talk with each other and originate calls. Indoor stations have volume controls and privacy switch. Tube-type Master has selector for 8 Remote Stations (Model 2027, left) and phono jack. Includes: Model 2054 Master; 3 Model 2027 Indoor Stations; Model 2006 Door Station; 200-ft. 3-cond. cable. Master, 8 $\frac{1}{2}$ "x16x1 $\frac{1}{2}$ ", extends 1 $\frac{1}{2}$ " from wall. Indoor Station, 6 $\frac{1}{2}$ "x8 $\frac{1}{2}$ "x1 $\frac{1}{2}$ ". Door Station, 5 $\frac{1}{2}$ "x4 $\frac{1}{2}$ "x1 $\frac{1}{4}$ ". For operation from 110-120 volts, 50-60 Hz AC. Shpg. wt., 17 $\frac{1}{2}$ lbs.

12 B 8038 K. \$5 Monthly. **76.95**

New! Solid-State Intercoms/Systems by Fanon



Optional Sensing Device Warns of Fire Danger

A Model FI-13 Solid-State 13-Station Master

Extremely versatile Master intercom. Features dependable solid-state circuit with pushbutton operation and full one-watt output. Also has: volume control; talk/listen switch with lock position; separate module AC power supply. Pushbutton switches have changeable identification tabs, self-cleaning contacts. When used in all-Master systems (up to 13 Masters)—all units can call one or more others, up to 6 separate conversations can be handled. In a Master-Remote Station system (up to 12 Remote Stations)—Master can call one or more Remote Stations, Stations can call Master only. Two station buttons (No. 6 and No. 12) can be used with PR-15 Paging Relay at right. In high-impact styrene cabinet, $9\frac{1}{2} \times 4 \times 3\frac{1}{4}$ ". Two-tone gray and charcoal finish, brushed aluminum trim. See cable requirements below. 110-130 volt, 60 Hz AC. Wt., 4 lbs.

12 B 8233 X. \$5 Monthly. Each 42.95

12 B 8232 X. Model FI-7 Master Intercom. Same as above, for 7 stations. One paging button. Shpg. wt., 3 lbs. Each 30.95

12 B 8228 X. Model FIR Remote Station. For use with FI-13, FI-7 Masters, above. Shpg. wt., 2 lbs. Each 9.95

CABLE REQUIREMENTS: FI-13, FI-7, or FI-3 systems require cable having one more conductor than number of stations. Example: 13-station system uses 14-conductor cable. For paging, use two more wires than number of stations plus one shielded cable for each PR-15 paging relay used. See pg. 348 for cable.

B Complete Solid-State 2-Station Systems

Model FIC-3 Indoor System. Has one FI-3 Master, one FIC Remote Station, 50-ft. 3-cond. cable. Master as above, with two selector buttons. Remote Station has "beep," "privacy" buttons. Each, $9\frac{1}{2} \times 4 \times 3\frac{1}{4}$ ". For 110-130 VAC. 12 B 8231 X. Shpg. wt., 5 lbs. \$5 Monthly. 35.50

Model FID-3 Outdoor System. (Not Illus.) Has one FI-3 Master, one FID outdoor Remote Station, 50-ft. 3-cond. cable. Outdoor Remote Station has weatherproof cabinet, $3\frac{3}{4} \times 4 \times 2\frac{1}{2}$ "; "beep" button to signal Master. For 110-130 VAC. 12 B 8205 X. Shpg. wt., 5 lbs. \$5 Monthly. 33.95

12 B 8237 X. FIC Indoor Remote Station. 2 lbs. Each 10.75

12 B 8238 X. FID Outdoor Remote Station. 2 lbs. Each 7.65

12 B 8236 X. FIS Staff Station. Acts as Remote Station or Master with units above. Less cable. Shpg. wt., $2\frac{1}{2}$ lbs. Each 27.75

Versatile Intercom Accessories

Model PR-15 Paging/Talkback Relay. Links PA systems to FI-7, FI-13 Intercoms; permits paging, talkback through PA speakers. See cable requirements, left. Shpg. wt., 1 lb. 12 B 8229 X. (Not illus.) 19.95

Model TPA Telephone Amplifier. For FI-3, FI-7, FI-13 Masters. Amplifies telephone calls through intercom. Connects directly to Master Units. Permits "hands-free" conversations. 12 B 8230 X. Shpg. wt., 2 lbs. 10.50

Model BM-3 Fire-Sensing Device. For all FI Series Masters. Signals Master when ambient temp. reaches 130° F. Requires two shielded wires from Master to each device. 12 B 8206. Shpg. wt., 8 oz. Ea. 3.95

Model BM-4 Fire-Sensing Device. For all FI Series Masters. As above, also detects unusually rapid temperature rises. Both units operate even when intercom system is "off." 12 B 8207. Shpg. wt., 8 oz. Ea. 7.75

Model WC-1 Walnut Cabinet. Enhances appearance of all standard size ($9\frac{1}{2} \times 4 \times 3\frac{1}{4}$ ") intercom units. Fits over unit. Hand-crafted walnut veneers with hand-rubbed oiled walnut finish. 12 B 8208 X. Shpg. wt., 1 lb. Ea. 5.50



TPA



BM-3



BM-4



WC-1

Low-Priced Solid-State Two-Station Intercom Units

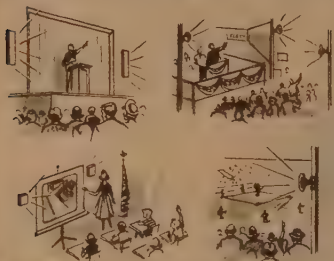
D "Echo 2" Battery-Operated System. Complete two-station intercom for use where AC outlets are not readily available. Feature sensitive push-pull amplifier; $2\frac{1}{2}$ " speakers. "Beep" button allows signalling, even with Master "off." Master has press-to-talk button, volume control. Requires one 9-V. battery. With 50-ft. interconnecting cable. Master and Remote-Station each $3 \times 4 \times 2\frac{1}{2}$ ". 12 B 8209 X. Shpg. wt., $1\frac{1}{2}$ lbs. 9.95

D "Echo 3" AC Operated System. Same features as above, but units operate from built-in AC power supply. For home, office, etc. With 50-ft. cable. For 110-130 VAC. 12 B 8210 X. Shpg. wt., $1\frac{1}{2}$ lbs. 11.95



D

14 Pages of Public Address Equipment... Allied's Own Knight Products plus Other Major Brands



Top Quality, Top Names. Your assurance of unbeatable value and reliability. We especially recommend Allied's own Extra-Value Knight components.

More People Buy PA Equipment at Allied than Anywhere Else. Because we offer money-saving prices, brand names, largest stocks, system-planning help.

Special System Prices. Choose one of our money-saving PA systems in this catalog, or write for a System Discount Price on components of your own choice.

Free Consulting Service. Allied can recommend a PA system to meet your special needs. Just send us room size, audience size, approximate noise level.



Deluxe 45-Watt PA Amplifier

KN-3245 COMBINES POWER AND VERSATILITY FOR GREAT PERFORMANCE



\$64⁹⁵

\$5 monthly

- 30-20,000 Hz Frequency Response
- Separate Bass and Treble Controls
- Gain Control for Mikes and Aux Input
- Output for Constant-Voltage Systems
- 4-Speed Phono-Top Available

Combines power with versatility for superb performance in any PA application of moderate size. Equally suitable for use with constant-voltage systems or standard impedances. Wide-range frequency response and auxiliary inputs for phono, tuner or tape recorder make it the perfect choice for average-size music-distribution systems—excellent for coverage of halls or skating rinks. May be used indoors or outdoors for paging, lectures, shows, other uses. Low-frequency filter may be switched-in to cut feedback "squeal" and protect speakers from overload.

SPECIFICATIONS

Power Output: 45 watts rms (90 watts peak). **Frequency Response:** ± 2 dB, 30 to 20,000 Hz. **Inputs:** 2 Microphone; 2 Auxiliary (crystal or ceramic phono cartridge, tuner, tape recorder). **Controls:** Microphone (2); Auxiliary; Bass; Treble; Master Gain; Anti-Feedback; On-Off. **Outputs:** 4, 8, and 16 ohms, plus 25 volts and 70.7 volts (for constant-voltage distribution systems). **Tube Complement:** two 12AX7A; 6AV6; two 6L6GC; plus 5AS4 rect. **Power Consumption:** 110 watts at 120 volts AC.



Extra-Large Master Gain Control



Quick-Set Impedance Matcher



Low-Frequency Filter Cuts Feedback



Handy Multiple Inputs

Quick-set impedance matcher chooses 4, 8 or 16 ohms; or 25 or 70.7 volts output for constant-voltage speaker systems. Separate calibrated bass and treble tone controls. Gain controls for microphones and auxiliary inputs, plus separate master gain control. Size, $5 \times 15 \frac{1}{4} \times 10 \frac{1}{4}$ ". Styled in a handsome gray and green two-tone finish. For 105-130 V, 50-60 Hz AC. Shpg. wt., 23 lbs.

14 B 5109 U. \$5 Monthly. **64.95**
14 B 5106 X. KN-3201A 4-Speed Manual Phono Top. Attaches to amplifier with just a screwdriver. 6 lbs. 19.95

INSTALLATION NOTES

Microphone Connector: Amphenol 75MC1F or equivalent (takes 2, 1 supplied). **Auxiliary Connector:** Phono plug (takes 2, 1 supplied). **Speaker Connections:** 2 screw-type terminals. **Speaker Cable:** Use 2-conductor (not included). **Line Cord:** 2-wire with plug, 7-feet long. **Ventilation and Microphone Plug Space Required Behind Cabinet:** 3 inches. **Ventilation Space Required Above Cabinet:** 5 inches. **Power Requirements:** 105-130 volts, 50-60 Hz AC; optional Phono Top for 60 Hz only.



Knight 45-Watt PA Systems

Complete 45-Watt Indoor Sound-Column System

Separately, \$205.24. For auditoriums, churches, gyms. KN-3245 Amplifier; Electro-Voice 664 Cardiod Mike; Atlas MS10C Stand; 2 Argos SD-1060 Sound Columns, Columns, 30 $\frac{1}{2}$ "x31 $\frac{1}{2}$ ". Speaker cable below. Wt., 55 lbs.
14 B 0326 D6Z. \$9 Monthly..... 175.90
14 B 5184, Speaker Cable. 2-conductor, 50-ft. roll. Shpg. wt., 8 oz..... Per Roll 1.79

Save \$29.34

\$175.90

\$9 monthly



45-Watt Indoor/Outdoor Weatherproof-Speaker System

Separately \$141.99. Covers up to 100,000 sq. ft. with undistorted sound. Ideal for outdoor programs, ball games, picnics. Includes: Knight KN-3245 45-watt Amplifier; E-V 719 Ceramic Microphone with 16-ft. cable; Three E-V PA-30 Weatherproof Trumpets, Mounting Brackets. Order speaker cable above. Wt., 38 lbs.
14 B 0329 D5Z. \$7 Monthly..... 124.95

Save \$17.04

\$124.95

\$7 monthly



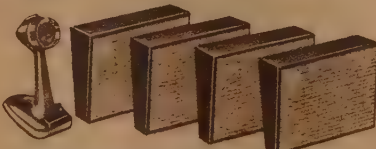
Permanent 45-Watt 4-Speaker System for Large Areas

Separately, \$124.45. Four wall baffles cover large area. Ideal for lecture rooms, meeting halls, churches. System includes: Knight KN-3245 Amplifier; Turner 254C Ceramic Microphone, 7-ft. Cable; 4 Argos Walnut Wall Baffles, each with 8" Speakers. Order speaker hook-up cable above. Shpg. wt., 48 lbs.
14 B 0327 D6Z. \$6 Monthly..... 114.95

Save \$9.50

\$114.95

\$6 monthly



45-Watt System Packs Into One Carrying Case

Separately, \$113.30. Ideal for both voice and music. Includes: Knight KN-3245 45-Watt Amplifier; American D30 Dynamic Omnidirectional Microphone with Desk Stand, Lavalier Cord, 16-ft. Cable; Two 12" Wide-Range Speakers; Portable Carrying Case. Order speaker hook-up cable above. Shpg. wt., 53 lbs.
14 B 0330 D5Z. \$6 Monthly..... 104.95

Save \$8.35

\$104.95

\$6 monthly



Knight KN-3220A Value-Priced 20-Watt PA Systems

Low-Cost KN-3220A 20-Watt PA Amplifier

\$49.95

\$5 monthly

- Clear Medium-Size Area Coverage
- Quick-Set Impedance Selector Plug
- Full-Range Push-Pull Output Circuit

Best amplifier by far in its price range. Has more features, more quality, more power for better sound. Push-pull output cuts distortion. Inverse feedback also drops hum and distortion to an extremely low level for excellent music reproduction. "Quick-Set" impedance selector plug. Charcoal gray, green two-tone metal case, 5x10 $\frac{1}{2}$ x10 $\frac{1}{4}$ ". For 105-130 V, 60-60 Hz AC. Shpg. wt., 16 lbs.
14 B 5102 U. \$5 Monthly..... 49.95



KN
3220A

SPECIFICATIONS

Power Output: 20 watts rms (40 watts peak). Response: ± 2 dB, 30-20,000 Hz. Inputs: 1 Mic, 2 Aux. Controls: Mic and Aux faders; Master tone; on-off switch. Gain: Mic, 126 dB; Aux, 83 dB. Outputs: 4, 8, 16 ohms; 25 and 70.7 V. Tubes: 6AV6, 12AX7, two 7189; plus 6CA4 rectifier.

Installation Notes. Connectors: Mic, Amphenol 75MC1F or Switchcraft 2501F (takes 2, 1 supplied); Aux, pin plug (takes 2, 1 supplied). Speakers: Screw-type terminals. Space required: 3" behind, 5" above cabinet. Power Requirements: Amplifier, 105-130 V, 50-60 Hz AC. Optional Phono Top (see previous page) 60 Hz only.

Low As COMPLETE 20-WATT SYSTEMS

\$64.85



Complete Knight Indoor PA System

KN-3220A Amplifier; (A) American D-30 Mike, Stand; (B) Utah "Stellar" Baffle with wide-dispersion 8" speaker. Order speaker cable above.
14 B 0331 D3Z. Wt., 23 lbs. \$5 Monthly..... 64.85

Knight Portable PA System

Knight KN-3220A Amplifier; E-V 719 Push-to-Talk Desk Mike (not illus.); (C) 2-Pc. Case with Two 12" Speakers. System fits in case. Order speaker cable above.
14 B 0328 D5Z. Wt., 45 lbs. \$5 Monthly..... 89.95

**KNIGHT**

Our Best Public Address Amplifier

**KN-3060A 60-Watt PA Amplifier****\$154⁹⁵****\$8 monthly**

- Six Inputs with Controls, plus Master Gain Control
- "Quick-Set" Impedance or Voltage Selector
- Jack for Simultaneous Tape Recording

This versatile amplifier provides all the controls and inputs you need for maximum sound system flexibility. Sound-level meter lets you preset each input to the volume level desired, or to properly set volume even if speakers are far from amplifier. Four microphone and two auxiliary inputs, all high-impedance, each with mixer control. Master gain control sets volume for all sources without disturbing individual settings.

Separate bass and treble controls. Jack for simultaneous tape recording, output tube balance and hum-bucking controls, anti-feedback and trumpet-protector switch, and meter-calibrate control. Provision for plug-in low-impedance microphone transformer (below). Local/remote mike control adapter. Gray and green. $6\frac{3}{4} \times 17\frac{1}{4} \times 11"$. For 110-130 V, 50-60 Hz AC.

14 B 5111 U. Shpg. wt., 35 lbs. \$8 Monthly 154.95

14 B 5130. Low-Impedance Transformer. Plugs in to permit use of 50 to 60-ohm mikes with long lines. Shpg. wt., 1 lb. 13.75

SPECIFICATIONS

Power Output: 60 watts rms. (120 watts peak). **Response:** ± 1 dB, 30-20,000 Hz. **Inputs:** 4 mic.; 2 aux. (crystal or ceramic phono, tuner, tape, magnetic phono). **Outputs:** 4, 8, 16 ohms; 25 and 70.7 volts; high-imp. **Tubes:** two 6CA7; four 12AX7A; 6AV6; plus 5V3 rect. and selenium rectifier.

INSTALLATION NOTES

Mike Connector: Amphenol 91-854 or Switchcraft A3F (takes 4, 1 supplied). **Aux. Conn. Pin plug** (phono; takes 2, 1 supplied). **Speaker Conn:** 2-conductor (not supplied). **Line Cord:** 3-wire, 7-ft. long. **Space Req. Behind Case:** 5". **Ventilation Space Req. Above Case:** 5".

DELUXE FEATURES

Sound Level Meter lets you preset each control to volume desired



Locking Microphone Input Connectors



"Quick-Set" Impedance or Constant-Voltage Selector



Anti-Feedback switch to cut howling, protect speakers



Handles up to four broadcast-type mikes, plus two other sources (phono, tuner, tape deck).

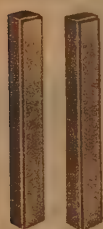


Master Gain Control sets volume level, without disturbing input fader settings. Extra-large size.

KN-3060HD Industrial 60-Watt Amplifier

Deluxe features and specifications of KN-3060A, plus extra-large power transformer, over-size filter capacitor and other heavy-duty conservatively-rated components. Rugged construction. Mullard preamp tubes are used for hum-free sound. Provision for optional low-impedance mike transformer. Has 3-wire line cord, adapter. Wt., 38 lbs.

14 B 5112 U. \$9 Monthly 179.95

**\$259⁹⁵****\$13 monthly****SAVE ON PA SYSTEMS**

Personally Selected
by Allied's Experts

**\$209⁹⁵****\$11 monthly****60-Watt PA System with Sound Columns**

Deluxe PA system includes: Knight KN-3060A 60-Watt Amplifier; Electro-Voice 664 Cardioid Dynamic Microphone; Atlas MS-10C Mike Stand with "Full Grip" Clutch; Two Argos SD-1060 Sound Columns with 6 Speakers each. Amplifier described above. Mike has "Pop-proof" wire-mesh grill that filters wind and breath blasts for close talking without boominess. 40-15,000 Hz response. Stand adjusts 35-63"; 10" gray base. Columns project sound uniformly from front to back of large halls. Each column, $30\frac{1}{2} \times 7 \times 3\frac{3}{8}"$. Order speaker cable below. 67 lbs. Express.

14 B 0332 D6Z. \$13 Monthly 259.95

14 B 5184. 50-ft. Speaker Cable. 8 oz. 1.79

60-Watt PA Weatherproof Speaker System

Deluxe outdoor PA system includes Knight KN-3060A 60-Watt Amplifier; Turner 254C Mike with desk stand and 7-ft. cable; Three Electro-Voice PA-30 Outdoor Speakers. Amplifier described above. High-impedance ceramic mike has -54 dB output. All-weather speakers give response of 250-14,000 Hz. 120° dispersion angle. 30-watt capacity, 8-ohm impedance. Completely weatherproof, these speakers are excellent for permanent mounting outdoors. Supplied with universal mounting bracket, and finished in battleship gray. Order speaker cable below. Shpg. wt., 50 lbs. Express.

14 B 0333 D5Z. \$11 Monthly 209.95

14 B 5184. 50-ft. Speaker Cable. 8 oz. 1.79

Knight 80-Watt PA Amplifier and Systems

Indoor PA System



\$177.50

\$9 monthly

Covers Big Auditoriums, Gymnasiums, Restaurants

Good choice for large indoor areas. Knight KN-3280 Amplifier; Turner 254C Mike with Desk Stand, 7-ft. Cable; two Argos SD-1060 Sound Columns with 6 speakers each. Each column, 30"x7"x3 1/4". Order speaker cable below. Shpg. wt., 48 lbs. Express.

14 B 0334 D4Z. \$9 Monthly. . 177.50

Knight KN-3280 80-Watt PA Amplifier



\$99.95

\$5 monthly



IMPORTANT FEATURES



Extra-Large Master Control



"Quick-Set" Impedance Selector



Handy Multiple Inputs

Outdoor PA System



\$154.50

\$8 monthly

Covers 200,000 Square Feet

Powerful 80-watt outdoor system includes KN-3280 Amplifier; Turner 254C Mike with Desk Stand and 7-ft. Cable; Three Electro-Voice PA-30 Weatherproof Speakers. Speakers mount horizontally or vertically. Order speaker cable below. Shpg. wt., 42 lbs. Express.

14 B 0335 D5Z. \$8 Monthly. . 154.50

- Maintains Wide Response Even at Full Power Level
- "Quick-Set" Plug for Instant Impedance Selection

Dollar for dollar you can't get more in an 80-watt PA amplifier than the Knight KN-3280 offers. Perfect for stadiums, factories, large auditoriums—anywhere maximum coverage is essential. Features ample controls and inputs for most PA installations. Large master gain control; separate mixer controls and inputs for two mikes; common mixer control for both auxiliary inputs that take phono, tuner, or recorder.

Separate bass and treble controls. Anti-feedback circuit prevents "howling" and prevents trumpet burn-out. "Quick-Set" plug for impedance choice. Charcoal gray and green. 5x15 1/4"x10 1/4". For 105-130 V. 50-60 Hz AC. Wt., 27 lbs. 14 B 5110 U. \$5 Monthly. . 99.95
14 B 5106 X. KN-3201A 4-Speed Phono Top. 6 lbs. . 19.95

- Anti-Feedback Cuts "Howling"—Protects Trumpets
- Outputs for Constant-Voltage Distribution Systems

SPECIFICATIONS

Power Output: 80 watts rms; 160 watts peak. Response: ±2 dB, 30-20,000 Hz. Inputs: 2 Mic.; 2 Aux. Gain. Mic., 139 dB; Aux, 97 dB. Hum and Noise: 70 dB below rated output. Input Voltage Req. for Rated Output Power: Mic., .0028 V; Aux, 0.20 V. Outputs: 4, 8, 16 ohms; 25, 70.7 V. Tubes: two 12AX7A, 6AV6, two 6CA7, 5AS4; plus 5Y3GT rect.

INSTALLATION NOTES

Mike Conn.: Amphenol 75MC1F (takes 2, 1 supplied). Aux. Conn.: Pin plug (takes 2, 1 supplied). Speaker Conn.: 2 screw terminals. Speaker Cord: 2-cond. (not included). Line Cord: 7-ft., 2-wire. Space Req. Behind Cabinet: 3". Vent Space Req. Above Cabinet: 5". Power Consumption: 180 W.

Accessories for PA Systems

- A** Carrying Case. For amp. to 17x11 1/4 x 7". two 12" spkrs. 21 1/2 x 17 1/2 x 12". 14 B 5156 U. \$5 Monthly. 19 lbs. . 19.95
14 B 0076 D3U. With spkrs. 29 lbs. . 29.98
- B** KN-3201A 4-Speed Manual Phono. For KN-3245, KN-3280, KN-3220A. With cartridge. 110 V, 60 Hz. 6 lbs. 14 B 5106 X. . 19.95
- C** Speaker Carrying Case. For two 12" speakers. 17 1/4 x 14 1/2 x 12". 14 B 5154 U. Shpg. wt., 14 lbs. . 16.50
14 B 0077 D3U. With Spkrs. 26 lbs. . 26.60

- D** Amplifier Carrying Case. Sturdy wood construction. For amplifier to 15 1/2 x 11 1/4 x 5 1/4". Shpg. wt 8 lbs. 14 B 5158 X. . 9.95

- E** Speaker Connector Cable. 2-cond. POSJ cord with #18 stranding. Stripped, tinned. In 50-ft. roll. Wt., 8 oz. 14 B 5184. Roll. . 1.79



Ampli-Vox Solid-State 35-Watt Amplifier and Paging System

S-400 Amplifier. Separate controls permit background music without interfering with paging. Inputs: 1 Mic. (Lo-Z to 50K); Hi-Z aux. for mag. or cer. phono, tuner, tape. Output: 35 watts (50 watts peak). 50-15,000 Hz. Impedance: 4, 8, 16 ohms; 25 V, 70.7 V; 600-ohm telephone line. 8 3/4 x 3 1/4 x 8 3/8". For 105-125 VAC. Shpg. wt., 8 lbs. 12 B 7053 X. \$5 Monthly. . 79.95

Paging and Background Music System. Includes S-400 Amplifier; E-V 600E Low-Impedance Dynamic Mike and 2 University DLC Weatherproof Speakers. Mike has push-to-talk switch, coil cord. Response, 400-10,000 Hz. Order speaker cable above. Wt., 18 lbs. 12 B 0010 L4X. Paging System. \$6 Monthly. . 109.95



Amplifier Alone
\$79.95

Complete System
\$109.95

Amplifier, Mike and Two Speakers

Fill All Your PA Needs Immediately—Use Allied's Credit Fund Plan

ALLIED 191

Bogen Quality Public Address Components



Phono-top optional

Challenger Amplifiers

New Solid-State "CHS" Series

CHS100. Powerful 100-watt all-silicon transistor amplifier featuring 2 high or low-impedance mike inputs with separate controls, plus 2 auxiliary inputs with faders. Master volume, bass, treble controls. Distortion: less than 5% at 100 watts. Response: ± 2 dB, 40-20,000 Hz. Impedance: 2, 8, 16 ohms; 25 and 70-V lines. $5\frac{1}{2} \times 10\frac{1}{2} \times 15\frac{1}{4}$ ". For 105-125 V, 50-60 Hz AC. Optional phono-top below. Wt., 22 lbs. 12 B 7311 U. \$8 Monthly. 157.15

CHS50. As above, but 50-watt output, 4-ohm instead of 2-ohm imp. 20 lbs. 12 B 7312 X. \$7 Monthly. 127.45

CHS35. Same as CHS50, but 35 watts. Non-silicon output stage. 18 lbs. 12 B 7313 X. \$6 Monthly. 104.95

CHS20. Same as CHS35, but 20 watts, just one mike input. 16 lbs. 12 B 7314 X. \$6 Monthly. 92.25

Tube Type "CHB" Series

CHB100. Tube equivalent of CHS100 described above. 100-watt amplifier has 2 high-impedance microphone inputs (no low-impedance) with separate controls, 2 auxiliary inputs with fader, and magnetic phono input. Master volume, bass, and treble controls. Distortion: less than 5% at 100 watts. Response: ± 2 dB, 40-20,000 Hz. Impedance: 4, 8, 16 ohms; 25 and 70-V lines. $6\frac{3}{4} \times 15\frac{1}{4} \times 10$ ". For 105-125 V, 50-60 Hz AC. Optional phono-top below. 25 lbs. 12 B 7315 U. \$7 Monthly. 122.95

CHB50. Above, but 50 watts. 21 lbs. 12 B 7347 K. \$5 Monthly. 91.45

CHB35A. Above, but 35 watts. 20 lbs. 12 B 7346 K. \$5 Monthly. 77.25

12 B 7358 X. CHB20A. Above, 20 watts. 1 mic. input. 17 lbs. \$5 Monthly. 63.75

LPC4 4-Speed Phono-Top for Bogen PA Amplifiers. With cartridge, mtg. brackets. $5 \times 13 \times 9\frac{1}{2}$ ". 60 Hz AC. 7 lbs. 12 B 7373 X. \$5 Monthly. 24.90



35-Watt Mobile Amplifier

BT35A. One mike, 2 aux. inputs. Under 10% distortion at 35 watts. Response: ± 3 dB, 150-15,000 Hz. Impedance: 4, 8, 16 ohms. $3 \times 8 \times 6\frac{3}{4}$ ". For 12 VDC. Shpg. wt., 8 lbs. 12 B 7393 X. \$5 Monthly. 80.90



\$164.95
\$9 monthly

Mixer-Preamp Mixes 5 Mike and 2 Aux. Inputs Simultaneously



B



C



D

A MXM-A Mixer-Preamp. For critical uses. 5 mike inputs (1 converts to mag. phono/tape); 2 hi-Z aux. inputs, 1 bridging. Monitoring level meter; hi-Z output or 600-ohm with TL600 transformer, below; speech filters for each channel; variable notch filter. 18-38,000 Hz, ± 1 dB. $4\frac{3}{4} \times 16\frac{1}{2} \times 12$ ". 105-125 V, 50-60 Hz AC. 20 lbs. 12 B 7310 U. \$9 Monthly. 164.95

MXM-T Solid-State Preamp. (Not illus.) Five hi-Z mike inputs. Use T-200 (below) for low-Z. Plug-in board converts any input for tape, mag. cartridge, 2 aux. inputs. Output 150, 500/600 ohms. Meter monitors 25/70 V line of power amp. Up to 3 preamps may be paralleled. 12 lbs. 12 B 7317 U. \$11 Monthly. 220.00

Transformers for Bogen Amplifiers

T200 Mike Transformer. 200 ohms. 12 B 7381. Wt., 2 lbs. 12.40
TL600. For MXMA, MO100A, 500/600g. 12 B 7367. Wt., 2 lbs. 12.75



MX60A 60-Watt Amplifier

Five mike inputs (4 convert to lo-Z with T200, above; one converts to mag. phono/tape head) plus 2 aux. Simultaneously mix and fade 6 inputs. 10-38,000 Hz. Under 2% distortion at 60 watts. 4, 8, 16 ohms; balanced 25 and 70-V line. $4\frac{3}{4} \times 16\frac{1}{2} \times 12$ ". For 105-125 V, 50-60 Hz AC. 33 lbs. 12 B 7379 U. \$11 Monthly. 202.45

MX30A 30-Watt Amplifier. Above, but 163-ohm output instead of 82-ohm. 12 B 7380 U. 29 lbs. \$9 Mo. 164.95

M60A 60-Watt Amplifier

Has 3 mike inputs (1 converts to phono). Master gain; separate bass, treble controls. Level markers. Response: ± 2 dB, 35-20,000 Hz. Impedance: 4, 8, 16, 83 ohms; balanced 25, 70-V line. Less than 2% distortion at 60 watts. $16\frac{1}{4} \times 5\frac{1}{2} \times 13$ ". For 105-125 V, 50-60 Hz AC. Wt., 28 lbs. 12 B 7369 U. \$8 Monthly. 149.95

M330A 30-Watt Amplifier. As above, but 163-ohm imp. instead of 83-ohm. 12 B 7382 U. 20 lbs. \$8 Mo. 119.95



Solid-State
\$177.25
\$9 monthly

VP25 20-Watt Transcription Player

One side of case is 20-watt amplifier/player; other side is 12" speaker with 25' cable. Speed variable from 29-86 rpm; click-stops at 16, 33 $\frac{1}{3}$, 45, 78-rpm. Automatic cueing, ± 1 dB, 45-18,000 Hz. Inputs: 2 hi-Z mikes, phono. $10\frac{3}{4} \times 15\frac{1}{4} \times 16\frac{1}{2}$ ". For 110-120 V, 60 Hz AC. 39 lbs. 12 B 7300 U. \$9 Monthly. 177.25

VP50-DS. As above, but 40 watts and two detachable 12" speakers. Wt., 48 lbs. 12 B 7374 L2U. \$13 Monthly. 249.25

Mike Stands and Accessories by Atlas Sound



1 MS-11S

2 MS-4

3 MS-25

1 MS-11S Automatic Floor Stand. Press control, tube lowers. Adjusts 39-62". All chromed. 10" base. $\frac{5}{8}$ "-27 thread. Shpg. wt., 13 lbs.
12 B 7271 L2X..... 16.20

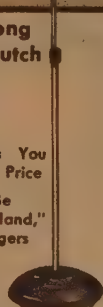
2 MS-4 Telescoping Floor Stand. Adjusts 25-65". 3 sections, Chromed. 10" gray wrinkle base. $\frac{5}{8}$ "-27 thread. 12 B 7270 L2X. Wt., 12 lbs..... 10.65

3 MS-25 Professional Floor Stand. "Air Lock Cushion" controls drop of tube. Adjusts 38-67". 17" chromed and gray base. Chromed tube. $\frac{5}{8}$ "-27 thread. Shpg. wt., 22 lbs.
12 B 7330 L2U..... 18.60

Stand Has Long "Full Grip" Clutch

\$6.90

- Full of Features You Want, Low in Price
- Long Clutch Can Be Gripped by "Hand," Not Just by Fingers
- Velvet-Quiet Slide Action



MS-10C. Inner-lined with bakelite to prevent jamming, sudden dropping. 2-section chromed tube adjusts 35-63". 10" gray base; self-leveling shock-absorbing pads. $\frac{5}{8}$ "-27 thread. 10 lbs.
12 B 7325 L2X..... 6.90

MS-11C. Above, all chromed.
12 B 7326 L2X. 13 lbs..... 9.15

MS-14G. Above, in gold color.
12 B 7082 L2X. 12 lbs..... 11.70



Take-Apart CS-33

4

5

CS-52

4 CS-33 Take-Apart Floor Stand. Collapsible to 22 $\frac{1}{2}$ ". Adjusts 28-64". Chromed. 20" base dia.; rubber feet. $\frac{5}{8}$ "-27 thread. Shpg. wt., 4 lbs.
12 B 7327 X..... 9.90

5 CS-52 Floor Stand. Portable unit adjusts 34-62". Chromed tube. 2-piece gray shrivel 15"-dia. base. $\frac{5}{8}$ "-27 thread. Shpg. wt., 9 lbs.
12 B 7450 X..... 7.95

BB-1 "Baby Boom" Stand Attachment. (Not illus.) Converts any floor stand with $\frac{5}{8}$ "-27 thread to boom type. Adjustable counter balance. 31" long.
12 B 7328 X. Wt., 3 $\frac{1}{2}$ lbs..... 5.55

Desk Microphone Stands and Multipurpose Support

6 DS-7 Adjustable Desk Stand. Adjusts 8-13". With "Velvet Action" clutch adjustment. 4" high, chromed tube. Gray 6" dia. base. $\frac{5}{8}$ "-27 thread. Shpg. wt. 3 lbs.
12 B 7186..... 3.75

7 DS-10 "Stream Liner" Desk Stand. Features rear cable exit. Mike cable is concealed and directed out at rear of base to improve appearance and stability. Gray enamel, chrome trim. $\frac{5}{8}$ "-27 thread. Shpg. wt., 1 $\frac{1}{2}$ lbs.
12 B 7205..... 3.90

8 DS-6G Desk Stand. Gold-color finish. 6" dia. cast-iron base with rubber pads. Tube ht., 4".
12 B 7081. Shpg. wt., 2 $\frac{1}{2}$ lbs..... 3.60

9 DS-14 Contemporary Stand. 3" chromed tube. Gray shrivel base. $\frac{5}{8}$ "-27 thread. 2 lbs.
12 B 7109..... 2.85

10 US-2 Multipurpose Support. Vertical swivel, 180°; horiz., 360°. 12 $\frac{3}{4}$ " arm. 2 $\frac{5}{8}$ " base. Chromed. $\frac{5}{8}$ "-27 thread. 2 lbs.
12 B 7273..... 6.00

11 DS-5 Desk Stand. 4" chromed tube. Gray shrivel 6" base. Rubber pads. $\frac{5}{8}$ "-27 thread. 2 lbs.
12 B 7208..... 2.25

12 DS-4 Desk Support. Detachable 4" chromed tube. Light beige 5" base. $\frac{5}{8}$ "-27 thread. $\frac{1}{2}$ lb.
12 B 7272..... 1.50



Microphone and Stand Accessories



Stock No.	Fig.	Description	Wt.	EACH
12 B 7110	13	Lock-on Mike Attachment	4 oz.	2.40
47 B 1996	14	"Y" Mike Connector	2 oz.	.99
12 B 7189	15	Flexible 13" Gooseneck	1 lb.	1.80
12 B 7206 X	15	As above, 19" long	1 $\frac{1}{2}$ lbs.	2.55
12 B 7187	16	Snap-on Mike Attachment	1 lb.	1.95
47 B 1946	17	Mike Volume Control: Hi-imp.	6 oz.	4.17
12 B 7207	18	Cable Hanger; for $\frac{3}{4}$ -1 $\frac{1}{4}$ " stems	$\frac{1}{2}$ lb.	1.80
12 B 7190	19	Bracket Clamp; 6" stem	1 lb.	2.55
12 B 7106	20	3" Extension Rod; $\frac{5}{8}$ "-27 ends	3 oz.	.60
12 B 7105	20	As above, 6" long	4 oz.	.60
47 B 1950	21	Push-to-Talk Switch with lock	6 oz.	1.98
12 B 7204	22	Gyromatic Mike Lock Swivel	1 $\frac{1}{2}$ lbs.	3.45

MIKE STAND ADAPTERS. For use with most desk and floor-type microphone stands. All adapters are heavy-duty chrome-plated units. Shpg. wt.: Models AD1, AD2, AD3, AD4 and AD5, 2 oz.; AD11 and AD12, 6 oz.

Stock No.	Type	Fig.	Description	EACH
12 B 7108	AD1	23	For adapting RCA mikes. $\frac{1}{4}$ " male to $\frac{3}{4}$ "-27 female	.63
12 B 7198	AD2	24	$\frac{1}{4}$ " pipe female to $\frac{3}{4}$ "-27 male.	.45
12 B 7199	AD3	22	$\frac{1}{4}$ " pipe female to $\frac{3}{4}$ "-27 female.	.48
12 B 7201	AD4	24	$\frac{1}{4}$ " long. $\frac{5}{8}$ "-27 male coupling.	.36
12 B 7202	AD5	22	$\frac{1}{4}$ "-27 to $\frac{3}{4}$ "-27 female coupling.	.48
12 B 7103	AD12	25	Mike base flange. Male. $\frac{3}{4}$ "-27.	.66
12 B 7104	AD11	26	Mike base flange. Female. $\frac{3}{4}$ "-27.	.66

Electro-Voice Mikes for Every Purpose



\$60.00

\$5 monthly

Model 674 Dynamic Cardioid-Pattern Mike

With "Continuously-Variable D" For Maximum Front-to-Back Ratio With Uniform Response Regardless of Distance

QC-4M Connector for Impedance Changes Quickly Without Tools

Three-position bass-tilt switch adjusts for feedback control in PA and recording. 60-15,000 Hz. Output: -57 dB. Imp: 150 ohms; hi-Z. On-off switch. 15-ft., 2-cond. cable. Chromed finish. $7\frac{1}{4} \times 1\frac{1}{4}$ " dia. Stud mount has $\frac{5}{8}$ "-27 thread. Shpg. wt., 2 lbs.
 12 B 7098. \$5 Monthly. 60.00
 12 B 7236. Matched Pair with Plugs, Case. Wired for high impedance. 6 lbs. 135.00



- Cardioid Pattern
- Reduces Big-Room Echo



Uniform Response In Any Direction

676 Cardioid-Dynamic Mike

Switch selects flat response for small rooms; low freq. attenuation of 5 or 10 dB at 100 Hz for big rooms. 60-15,000 Hz. -57 dB. 150 ohms; hi-Z. 15-ft., 2-cond. cable, QC-4M conn. With Model 300 stand adapter. $\frac{5}{8}$ "-27 thread. Chromed. $7\frac{3}{4} \times 1\frac{1}{4}$ in. 2 lbs.
 12 B 7432. \$5 Monthly. 60.00
 12 B 7237. Matched Pr., Plugs, Carrying Case. Wired for high-impedance. 6 lbs. 135.00

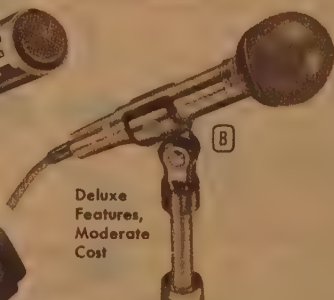
New Model RE15 Mike

Professional cardioid dynamic eliminates musical coloration for off-axis instruments. Maximum noise rejection 30 degrees from horizontal plane. Bass-tilt switch to restore spectrum balance for longer reach. Res.: 80-15,000 Hz. Output: -56 dB. Imp.: 150 ohms. 18-ft., 2-cond. cable. Chromed finish. $8\frac{1}{2} \times 1\frac{1}{4}$ " dia. for handheld comfort. 4 lbs.
 12 B 7252. \$8 Monthly. 153.00



"Pop-Proof" Wire Mesh Grille

A



B

Deluxe Features, Moderate Cost

Stand optional

A 664 General-Purpose Cardioid Mike

One of the best known, most widely-used cardioid-dynamic mikes. Response: 60-15,000 Hz. Output: -58 dB. Impedance: 150 ohms or hi-Z. On-off sw. $\frac{5}{8}$ "-27 thread. 15-ft., 2-cond. cable with QC-4M conn. Chromed. $7\frac{1}{4} \times 1\frac{1}{4}$ ". Order stand below. 3 lbs.
 12 B 7241. \$5 Monthly. 51.00
 12 B 7209. Model 419 Desk Stand. Gray. 3 lbs. 7.80
 12 B 7238. Pair with Plugs, Case. 8 lbs. 117.00

B 627 "Single D" Cardioid Dynamic Mike

Excellent mike for vocalists; bass response is accentuated as working distance is reduced. 40-12,000 Hz. -58 dB. 150 ohms; hi-Z. 15-ft. cable. 5x1" barrel. 2"-dia. head. $\frac{5}{8}$ "-27 thd. Chromed.
 12 B 7099. \$5 Monthly. Shpg. wt., $1\frac{1}{2}$ lbs. 36.00
 12 B 7428. Windscreen. For 627. $\frac{1}{2}$ lb. 5.00
 12 B 7239. Matched Pair with Plug, Carrying Case. Wired for high-impedance. Shpg. wt., 5 lbs. 87.00

Handheld Communications Microphones

602FTR Dynamic Mike

Transistorized, noise-canceling dynamic for carbon communications mike replacement. Ideal for commercial and industrial equipment. Amplifier matches output level to input requirements of any equipment using carbon mike. Dynamic transducer enhances intelligibility. Press-to-talk switch controls mike and relay. Supplied with 5-ft. coiled cord. Shpg. wt., 2 lbs.
 12 B 7249. \$5 Monthly. 25.00



Model 2055TCKK Mike

Differential type noise-canceling mike. Designed for aircraft and other critical communications to provide the highest level of intelligibility under the most severe noise conditions. Press-to-talk switch controls mike and relay. -50 dB output. Microphone is blastproof, waterproof, and shock resistant. FAA-approved. Complete with 5-ft. coiled cord. Shpg. wt., 1 lb.
 12 B 7035. \$5 Monthly. 30.00



Quality Dynamic Mikes by Electro-Voice



Exclusive Magnetic On-Off Switch (above). Switch Actuator May Be Removed Leaving Mike Always "On".

A New Model 631 Hand-Size Vocal Microphone

All-new hand-size microphone ideal for PA systems and for home recording. Features exclusive E-V magnetic on-off switch. 60-15,000 Hz. -55 dB. Available in high or low imp. Four-stage blast filter, nearly pop-proof. $6\frac{1}{2} \times 1\frac{1}{4} \times 1\frac{1}{4}$ " dia. 16' cord. 3 lbs. \$5 Monthly.

12 B 7251. Low Impedance. 36.00
12 B 7247. High Impedance. 36.00
12 B 7254. Pair w/Plugs, Case. Hi-Z. 7 lbs. 87.00

B Model 635A Omnidirectional Dynamic Mike

Widely-accepted professional hand or stand omnidirectional mike. Four-stage blast filter; virtually unaffected by breath or wind. Response: 100-13,000 Hz. Output: -55 dB. Low impedance. Magnetically-shielded turned-steel case. Non-reflecting matte nickel finish. $6\frac{1}{2} \times 1\frac{1}{4}$ " dia. With Cannon XLR-3-11 conn., 18-ft. cable; Model 310 stand-clamp. Shpg. wt., 1 lb.

12 B 7481. \$5 Monthly. 49.20

E 600E Dynamic Mike

Dynamic microphone has press-to-talk switch. Response: 100-7000 Hz. Output: -55 dB. Available in high or low impedance. Coiled cord extends 6'. Bracket. Wt., 1 lb.

12 B 7483. High Impedance. 23.40
12 B 7485. Low Impedance. 23.40

F 602F Noise-Canceling Mike

Noise-canceling dynamic mike has press-to-talk. Response: 200-5000 Hz. Output: -55 dB. High or low impedance. Gray cylac. $4\frac{1}{2} \times 1\frac{1}{4}$ " dia. 6' coiled cord. Bracket. Shpg. wt., 1 lb.

12 B 7482. High Impedance. 34.50
12 B 7484. Low Impedance. 34.50



\$120.00
\$6 monthly

New RE55
High-Stability
Dynamic Mike

C Model 636 "Slimair" Dynamic Microphone

Deluxe omnidirectional dynamic microphone for PA, semi-professional recording, and demanding utility use. Response: 60-13,000 Hz. Output: -58 dB. Impedance: Hi-Z; 150 ohms. On-off switch in stand mount stud. Swivel base has standard $\frac{1}{8}$ "-27 thread. Satin-chrome finish. $10\frac{1}{2} \times 1\frac{1}{4}$ " dia. Nearly impervious to damage from mechanical shock. With 15-ft. cable. Shpg. wt., 2 lbs.

12 B 7244. \$5 Monthly. 43.50

Model 418 Desk Stand. (Not illus.) For Electro-Voice microphones Models 636, 641, and 911. Die-cast. Gray-finish. Size (HWL): $2\frac{1}{2} \times 4\frac{1}{2} \times 5\frac{1}{2}$ ". Shpg. wt., 3 lbs.

12 B 7146. 7.80

Type 502B Transformer. (Not illus.) Used to match low impedance microphones to high-impedance inputs. 30" cable. Shpg. wt., 1 lb.

12 B 7340. 9.90

D New Model RE55 Omnidirectional Mike

Superb microphone for handheld interview work as well as for professional recording. Pop-proof; built-in blast filter. Response is extremely stable—unit can be calibrated for use as a secondary laboratory standard. Response: 40-20,000 Hz. Output: -55 dB. Impedance: 150 ohms. 18-ft. cord. Virtually indestructible. Attractive matte-satin nickel. Shpg. wt., $1\frac{1}{4}$ lbs.

12 B 7250. \$6 Monthly. 120.00

Model 647A Dynamic Lavalier Microphone

Especially
Designed for
Lavalier Use

With Lavalier Neck Cord
Assembly, Stand Adapter

\$49.50
\$5 monthly



Excellent for church pulpits, panel shows, semi-professional recording. Small, lightweight lavalier is $3\frac{1}{2} \times \frac{1}{4}$ " dia., weighs only two ounces. Smooth response from 60 to 12,000 Hz. Output: -60 dB. Impedance: Hi-Z or 150 ohms. 18' cable, neck cord, clip, stand adapter. Shpg. wt., 1 lb.

12 B 7264. \$5 Monthly. 49.50



Excellent for
Hi-Fi Recording

\$55.86

\$5 monthly

"Unisphere I" Mike

Model 565 "Unisphere I." A rugged, feedback-free dynamic cardioid ball-type microphone. Perfect for all your hi-fi recording or PA needs, indoors or out. "Pop-proof" wire-mesh spherical screen provides protection from breath blasts and wind. 50-15,000 Hz response. Outputs: low-Z, 50-250 ohms, -57 dB; hi-Z, -55 dB. 18-ft. detachable cable. Swivel adapter. Smart chrome and black case. 6x2".

12 B 7303 Wt., 3 lbs. 55.86



Transistorized

\$42.63

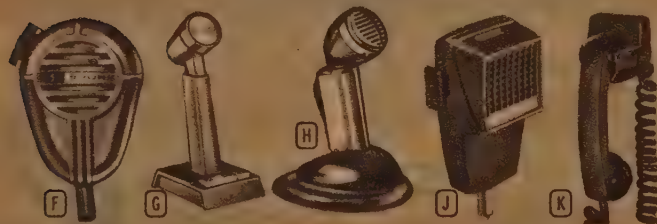
\$5 monthly

Noise-Canceling Mike for Aircraft

488T. Controlled magnetic, noise-canceling. Transistorized! FAA certified. Replaces carbon types. 200-4000 Hz, -3 dB. Push-talk switch, bracket, 5 1/2' coil cable.

12 B 7306. 3 3/4 x 2 3/4 x 2 1/2". 1 lb. 42.63
12 B 7440, 488B. Above, not transistorized.
150-250 ohms. Output, -37 dB. 33.81

Omnidirectional Microphones for Communications and Paging



F 404C. Controlled magnetic. Hi-Z. 200-8000 Hz, -50.5 dB. Push-talk, bracket, 5-ft. coiled cable. High-impact case, 3 3/4 x 2 3/4 x 1 3/4".

12 B 7141. Wt., 1 lb. 19.40
444. Above, but 150-250 ohms. Output, -50 dB. 19.40

G 450. Controlled magnetic. Adjustable stand. Lockable push-to-talk. Mike-relay. 100-10,000 Hz. Hi-Z, -54 dB; low-Z, -55 dB. Two-tone gray. 7" cable. "Armo-Dur" case. 10 1/2 x 5 3/4 x 4". Shpg. wt., 3 1/2 lbs.

12 B 7444. \$5 Monthly. 29.11
444. Above, for Hams. Hi-Z only, -53 dB. 200-6000 Hz. VOX switch.
12 B 7441. \$5 Monthly. 29.99

H 520SL. Controlled magnetic. Hi-Z, -52.5 dB. Lockable grip-to-talk. 100-9000 Hz. Chrome/green. 7" cable. 12 B 7233. 9 5/8 x 5 x 7". 5 lbs. 26.46

J 202. Ceramic, noise-canceling. 200-4000 Hz. Hi-Z, -50 dB. Switch, bracket, 5' coiled cable.
12 B 7465. Wt., 1 lb. 11.76

K TH100. Professional mobile telephone handset. Controlled magnetic. 200-3000 Hz. Transmitter, hi-Z. Receiver, 125 ohms. Cradle for dashboard mounting. 4' coiled cable. Black "Armo-Dur" case. Handset, 8 1/2 x 2 1/2 x 2 1/2". Cradle, 3 3/4 x 3 x 3".
12 B 7307. Wt., 3 lbs. 34.10

World-Famous "Unidyne" Dynamic Cardioid Mikes

A 545S "Unidyne III." 50-15,000 Hz. 50-250 ohms, -57 dB; hi-Z, -55 dB. On-off sw. Swivel mt. 18' cable. 12 B 7133. 5 3/4 x 1 1/4". 3 lbs. 52.89
12 B 7161. 545. Above, less on-off switch, swivel adapter. 49.98
12 B 7458. 546. Deluxe version of 545S. Shock-mount. 3 3/8 lbs. 79.38

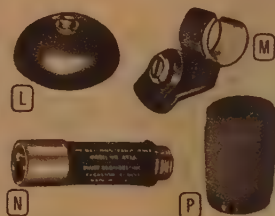
B 555W "Unidyne II." 50-15,000 Hz. 35-50 ohms, -55 dB; 150-250 ohms, -56 dB; hi-Z, -57 dB. On-off sw. Swivel mt. 18' cable. 4 1/2 x 2 1/4 x 3 1/4". 12 B 7135. Wt., 4 lbs. 49.98
12 B 7234. 555. No on-off. 48.80
12 B 7235. 556S. Deluxe version 555W. 40-15,000 Hz. Shock mt. 4 lbs. 79.38

C 585SA "Unisphere A." Similar to 565 (left), but 50-12,000 Hz; hi-Z only, -59 dB. 15' cable. 12 B 7304. 6 3/4 x 1 3/4". 3 lbs. 38.22
12 B 7305. 585SB. Low-Z. 34.10

D 580SA "Unidyne A." 50-12,000 Hz. Hi-Z, -58 dB. On-off switch, swivel adapter, 15' cable. 6 3/8 x 1 3/4". 12 B 7050. Wt., 3 lbs. 34.69
12 B 7051. 580SA (MP). Matched pair for stereo. With plugs. 6 lbs. Pair 69.38

E 245. Ceramic. Hi-Z, -59 dB. 50-7000 Hz. Swivel adapter, 15' cable. Less base. 4 3/4 x 1 1/8". 12 B 7285. Wt. 1 1/4 lbs. 20.58
12 B 7286. 245S. Above, switch. 21.76

Accessories for Shure Microphones



L S-38B Base. For mikes with stand adapters. Wt., 1 1/2 lbs. 12 B 7445. 2.65

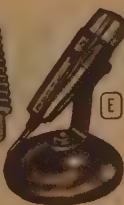
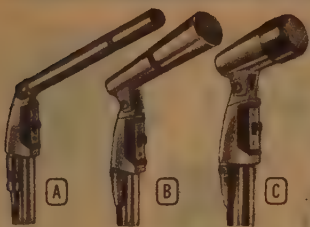
M A-25B Adapter. 90° swivel adapter for all Shure microphones. Has 3/8"-27 thread. Ship. wt., 1/2 lb. 12 B 7446. 3.23

N A95A Transformer. For low-Z to hi-Z. Matches 35-50 or 150-250 ohms. Built-in Amphenol MC1F output. Cannon XL-3-11 input. Frequency response, ±1 dB, 20-200,00 Hz. Size, 2 1/2 x 3/4". Shpg. wt., 9 oz. 12 B 7466. 10.29

P A-2WS Windscreens. Prevents or reduces wind noises, stops breath blasts, popping. Fits "Unidyne III" models 545S, 545, 546, 545L, and Omnidyne models 578 and 578S. Size, 4 x 2 1/4". Shpg. wt., 5 oz. 12 B 7308. 3.53

and Communications Mikes

SHURE



General-Purpose Omnidirectional Dynamic Mikes

- A** 5785 "Omnidyne." Super slim for hand use. Hi-Z/250 ohms. -59 dB. 50-15,000 Hz. 18' cable. Swivel adapter. $8\frac{1}{2} \times \frac{3}{4}$ ". On-off switch. 52.92
12 B 7460. Wt., 2 lbs. 48.51
12 B 7442. Model 578. Similar, but for stand use. Swivel adapter. 48.51
- B** 550S. Hi-Z/60-250 ohms. -57.5 dB. 18' cable. Swivel mt. $8\frac{1}{2} \times 1\frac{1}{2}$ ". 40.57
12 B 7459. Wt., 3 lbs. 40.57
- C** 540S "Sonodyne II." 50-13,000/150-6500 Hz. On-off. Hi-Z/150-250. -56 dB. Swivel mt. 15' cable. $3\frac{3}{4} \times \frac{1}{4}$ ". 29.37
12 B 7132. Wt., $3\frac{3}{4}$ lbs. 29.37
12 B 7395. 540. No on-off. 28.19

- D** 51S "Sonodyne I." Average -52 dB output. 30-50/150-250 ohms, plus Hi-Z. 60-10,000 Hz. Swivel adapter. 15' cable. About $4\frac{1}{2} \times 3\frac{1}{2} \times 2\frac{1}{8}$ ". 30.28
12 B 7136. Wt., $3\frac{1}{2}$ lbs. 30.28
12 B 7228. Model 51. No on-off. 29.11
- E** 575S. 40-15,000 Hz. Hi-Z, -57.5 dB. On-off switch. Stand adapter, lavalier cord, 7' cable. Less base. 14.11
12 B 7462. $4\frac{3}{4} \times 1\frac{1}{4}$ ". Wt., 1 lb. 14.11
- F** 430. Controlled magnetic. 60-10,000 Hz. 150-250 ohms/Hi-Z. -52 dB. On-off switch. Swivel adapter. 15' cable. Less base. $6\frac{3}{4} \times 1\frac{1}{4}$ ". 22.64
12 B 7213. Wt., $2\frac{1}{4}$ lbs. 22.64

Lavalier-Type Recording and PA Microphones

- G** 560. Dynamic. 40-10,000 Hz. 150-250 ohms or hi-Z. -60 dB. With lavalier assembly, 18' cable. $4\frac{1}{2} \times \frac{1}{2}$ ". 24.99
12 B 7461. Wt., 1 lb. 24.99
- H** 420. Controlled magnetic. 60-10,000 Hz. 150-250 ohms/hi-Z. -52 dB. 20' cable, lavalier assembly. $3\frac{3}{4} \times 1\frac{1}{4}$ ". 17.64
12 B 7212. Wt., 12 oz. 17.64

- J** Model 545L "Unidyne III" Lavalier. Broadcast quality! A dynamic cardioid microphone for lavalier, hand-to-stand, or gooseneck mounting. Full 50-15,000 Hz response. Low-Z, -57.5 dB. 20' cable. Size, $5\frac{1}{2} \times 1\frac{1}{4}$ ". With lavalier assembly. 41.16
12 B 7339. Wt., 3 lbs. 41.16



Special-Purpose Microphones

TURNER



- K** New "M+2" Mobile CB Mike. Transistor preamp; gain adjusts 0-35 dB. 10-pos. vol. control. 300-2500 Hz. 500 ohms, -27 dB. 5' coil cord, battery. 23.23
12 B 7021. Wt., 2 lbs. 23.23
12 B 7018. "M+2." Above, wired for electronic switching. 23.23

- L** "Plus 2." Same as M+2, for base use. Ceramic. Push-to-talk. 5' cord. $7\frac{3}{4} \times 3\frac{3}{4} \times 5\frac{1}{2}$ ". 29.11
12 B 7084. Wt., 3 lbs. 29.11
12 B 7165. 254C. No preamp. 7' cord. 100-8000 Hz. -48 dB. 15.58



- M** New 505 Dynamic Cardioid. Broadcast quality for PA, recording. Bass-adjust switch. 40-15,000 or 100-15,000 Hz. -55 dB. 20' cord. $7\frac{1}{2} \times 1\frac{1}{2} \times \frac{1}{2}$ " dia. 58.50
12 B 7023. Wt., 3 lbs. 58.50
- N** New 700 Pop-Top Ball Cardioid. Helps prevent feedback. 40-15,000 Hz. 150 ohms, -56 dB; hi-Z, -55 dB. Switch. 20' cord. 54.10
12 B 7022. $6\frac{1}{2} \times 2$ " dia. Wt., 3 lbs. 54.10
12 B 7020. 701. Hi-Z only. 12' cord. 36.46

Model 601 Matched "Stereo Twins"

- Similar to 500-06 for recording, PA. Swivel mt., switch, 12' cords. 50-15,000 Hz.
12 B 7085. $6\frac{1}{2} \times \frac{1}{2}$ " dia. 4 lbs. Pr. 69.98
12 B 7086. Single 600. Hi-Z. 3 lbs. 34.99
12 B 7019. Single 602. 1-150 ohms. 34.99



- P** Model 500-06 "Stereo Twins." Matched cardioid dynamic mikes. Broadcast quality, 40-15,000 Hz. Directional pattern eliminates feedback. 150 ohm or hi-Z, -55 dB. Wind screen, switch. 90° adj. swivel mt. Chromed. 10' cable. $6\frac{1}{2} \times 1\frac{1}{2}$ " dia. Wt., 6 lbs. 102.90
12 B 7021. Matched Pair. 102.90
12 B 7029. One Mike. 3 lbs. 52.43



Indoor, Outdoor PA Projectors and Speakers

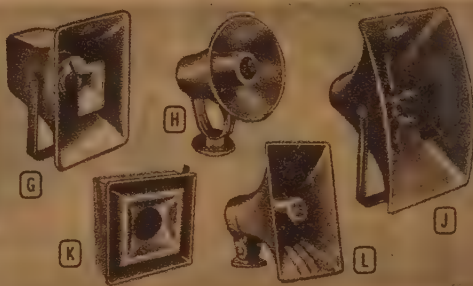


UNIVERSITY SOUND

Weatherproof PA and Intercom Speakers

Designed for use as efficient "talk back" microphones and public address speakers. Weatherproofed with phenolic diaphragms for outdoor operation in all weather. Excellent for intercom system application where 2-way communication is required. Type IB-A8 widely used medium-power speaker. Type MIL-A8 for low-power systems. Type 2WP for covering oppositely located areas. Type D1C compact horn for low-power applications. Type C1B-A8 for wide-area coverage in low-power systems. Type SH-30 for high-intelligibility paging in noisy areas. Type IBR-A8 for wide coverage with few speakers. All have 8-ohm impedance except types 2WP and SH-30 which have 16-ohm impedance. With mounting hardware. *Watts. †Swivel mounting, also fastens to 1/2" pipe. Av. shpg. wt., 5 lbs.

Stock No.	Mfr's Type	Fig.	*W	Resp. Hz	Dispersion	L x Dia. Inches	EACH
12 B 7504 X	IB-A8	A	25	350-13K	90°	7 1/2 x 10 1/4	21.90
12 B 7569	MIL-A8	A	7 1/2	350-13K	120°	16 1/2 x 6 1/2	17.85
12 B 7398	D1C-A8	B	6	400-10K	120°	5 1/2 x 4	9.80
12 B 7515 X	C1B-A8	C	25	250-13K	120 x 60°	17 1/2 x 14	27.60
12 B 7572	CMIL-A8	C	7 1/2	250-13K	120 x 60°	16 1/2 x 9 1/2	20.25
12 B 7543	2WP	D	4 1/4	350-6.5K	120°	20 1/2 x 8 1/2	20.70
12 B 7422 X	SH-30	E	30	350-7.5K	100°	10 1/2 x 8 1/2	34.70
12 B 7516 X	IBR-A8	F	25	300-10K	360°	10 1/2	29.85



ELECTRO-VOICE Weatherproof

120°-Dispersion Projectors and Speakers

Fiber-Polyester Horns are virtually indestructible, absolutely waterproof. Type PA-30 rectangular horn designed for paging. Incorporates maximum versatility with wide dispersion, plus smooth response for both voice and music. Type PA-7 designed for paging application where durability is a prime factor. Types 847CDP and 848CDP utilize Compound Diffraction design for higher articulation without resorting to peaked response. Ideal for music reproduction, even under water. All have 120° dispersion angle. With universal mounting brackets. Color: Battleship gray. All have 8-ohm impedance. Power capacity: 30 watts, except PA-7 rated at 7 1/2 watts and 847CPD rated at 25 watts.

Musicoaster. 8" Radax speaker provides dual horn-loading for smooth response from 60-13,000 Hz. Impedance, 8 ohms. Capacity, 30 watts. Tan aluminum housing, 21 1/2 x 21 1/2 x 8 1/2". Weatherproof. With U-bracket for mounting.

Stock No.	Mfr's Type	Fig.	Resp. Hz	Size In.	Wt. Lbs.	EACH
12 B 7542 X	847CDP	G	250-10K	11 3/4 x 7 3/4 x 10 1/2	10	33.00
12 B 7819 X	PA7	H	400-13K	6 1/2 x 6	3 1/4	17.85
12 B 7540 U	848CDP	J	150-10K	11 3/4 x 7 3/4 x 10 1/2	16 1/4	52.40
20 B 8432	Musicoaster	K	60-13K	21 1/2 x 21 1/2 x 8 1/2	37	72.00
12 B 7600 X	PA30	L	250-14K	11 1/2 x 7 1/2 x 8 1/2	4 1/2	21.90



Deluxe Sound-Column Speaker Systems

The Sound Column or Line Radiator offers uniform loudness over a wide horizontal pattern. Consists of several speakers arranged one above the other in a special enclosure. People in back can hear just as well as those in front. Feedback and reverberation are greatly reduced. Easy to install. And you get better audio coverage at much lower cost.

M University CS-2. Six 5' speakers. 30 watts. Dispersion: hor, 165°; vert, 25°. 175-12,000 Hz. 16 ohms. 31x5 1/2 x 5". Neutral finish. 33 lbs.
12 B 7421 U. \$5 Monthly. 59.70
CSO-4. As above, but 75 watts. Four 8" speakers. 70-17,000 Hz. Weatherproof housing. 41x12x8". 40 lbs.
12 B 7944 U. \$8 Monthly. 147.90
CSO-6. Four 8" plus two 8" dual-cone speakers. 65-14,000 Hz. 120 watts. 16 ohms. 60 1/2 x 12 x 8". 51 lbs.
12 B 7072 Z. \$10 Monthly. 195.00

N Argos SD-1060. Speaker system offers 200-10,000 Hz response. Horizontal dispersion, 120°; vertical, 30°. Capacity, 30 watts, 16 ohms. Walnut vinyl. 30 1/2 x 7 x 3 1/2". 10 lbs.
12 B 7877 X. \$5 Monthly. 41.65
SD-1100. Hor., 120°; vert. 15°. 50 watts, 16 ohms. 49 1/2 x 7 x 6".
12 B 7890 U. 26 1/2 lbs. \$5 Monthly. 65.65
MSD-1060. Dispersion: Hor., 120°; vert., 30°. 60 watts, 16 ohms. 70-15,000 Hz. 50 1/2 x 10 1/2 x 8 1/2".
12 B 7093 U. 43 lbs. \$5 Monthly. 77.90

P Electro-Voice LR4A Curved Line Radiator. Restricts high-frequency dispersion to simplify feedback control. Response: 200-15,000 Hz. Dispersion: horizontal, 180°; vertical, 60°. 25 watts. 8 ohms. Universal mounting brackets. Tan finish. 49x7 1/2 x 13". Shpg. wt., 31 lbs.
12 B 7036 U. \$6 Monthly. 120.00

12 B 7033 U. LR4SA. As above, but straight-line and weatherproof. All metal. Tan color enclosure. Vertical dispersion, 30°. Size, 48 3/4 x 6 5/8 x 4 1/8". Shpg. wt., 31 lbs. \$5 Monthly. 90.00

UNIVERSITY SOUND	ARGOS	ELECTRO- VOICE
CS-2, CSO-4 CSO-6	SD-1060, SD-1100, MSD-1060	LR4A, LR4SA

Microphones, Megaphones, and Accessories

Low-Cost Microphones for Every Application

A New! American Model 721 Ceramic.

Quality features at low cost. High output, light weight for recording, experimenting, general use. For hand or stand use. Response: 100-6000 Hz. Output: -52 dB. High Z. High impact case, $3\frac{1}{2} \times 2\frac{1}{4} \times 1\frac{1}{2}$, 5-ft. cable.

12 B 7255. Wt., 1 lb. \$3.90

12 B 7256. Model X215. (Not illus.). As above with crystal element. 2.49

B Electro-Voice Model 714 Ceramic.

For CB, other communications. Features: high-output, intelligibility, reliability. Omnidirectional. Response: 100-7000 Hz. High impedance. Output: -55 dB. Push-to-talk switch. High impact plastic case, $3\frac{3}{8} \times 1\frac{1}{2}$ dia. With 10-ft. cord, bracket.

12 B 7259. Wt., 1 lb. \$9.90

C American Model D-20 Dynamic.

For PA or sound recording. Recommended as replacement for tape recorders. Response: 80-12,000 Hz. Output: -58 dB. Impedance: 3000 ohms. Omnidirectional. $6\frac{1}{2} \times 1\frac{1}{2}$ dia. Desk stand, cord, floor-stand coupler, bag.

12 B 7119. Wt., 1 lb. \$11.76

D AMD Model 38-045 Dynamic. High quality cardioid mike for use with tape recorders. Low impedance output allows use up to 30-ft. from amplifier. 4" long. With 30' cable, neck cord, swivel adapter. 2 lbs. Japan.

12 B 7267. \$5 Monthly. \$19.95

E AMD Model 38-650 Dynamic. Ball-type mike is "pop" and wind proof. Ideal for indoor or outdoor use. Hi or 1-impedance. Response: 50-15,000 Hz. 6" long. 3-ft. cord. 2 lbs. Japan.

12 B 7268. \$5 Monthly. \$24.95

F AMD Model 38-504 Dual-Impedance Dynamic. Linear response, with either Hi or Lo-Z: 40-16,000 Hz. -52 dB. On/Off switch. $6\frac{1}{2} \times 3$ dia. Japan.

12 B 7269. Wt., 1 lb. \$9.95

Portable Battery-Powered Megaphones

G Holmin A-12 Voice Gun. Transistorized. 500-yard range. Press-to-talk; carrying strap. Horn dia. 7 $\frac{1}{4}$ ". Order batteries below (requires 8). 5 $\frac{1}{2}$ lbs.

12 B 7319 X. \$5 Monthly. \$95.00

18 B 5867. Batts. 3 oz. Pkg. of 4/65\$

H Fanon MV-16S Megaphone with Built-in Siren. Transistorized. Volume control, 16-watt output. Strap. Order 8 batteries, below. (Jack for external 12-VDC source.) 9" diameter. 6 lbs.

12 B 7356 X. \$5 Monthly. \$74.95

18 B 5865. Batts. 6 oz. Pkg./2 for 33\$

I Fanon MV-8B Megaphone. 5 transistors, 8 watts. 600-yard range. Pistol grip, mike, vol. control, strap. 9" dia. Batts. below (6 req.). Wt., 5 lbs.

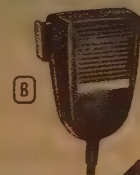
12 B 7321 X. \$5 Monthly. \$59.95

18 B 5865. Batts. 4 oz. Pkg./2 for 33\$

K Fanon MV-1 Megaphone. 300-yard range; high or low volume switches; strap. Aluminum. $6\frac{1}{2}$ " dia. Runs on 4 "D" cells (order below) for over 6 hours. 4 lbs.

12 B 7320 X. \$5 Monthly. \$26.95

18 B 5868. Batts. 5 oz. Pkg. of 4/67\$



New Low Prices On All American Microphones

L Model D-50 Dynamic Cardioid.

Was \$35.28 Last Year. Rejects unwanted sounds from rear and sides. 80-10,000 Hz. Output: -60 dB. Mounts on floor, desk stand. Hi-Z and Lo-Z. With desk stand, $5\frac{1}{2}$ "-27 stand coupler. 6' cable. $5\frac{1}{2} \times 1$ " dia. Japan. Wt., 1 lb.

12 B 7097. \$5 Monthly. \$29.28

M Model D-40 Dynamic. Was \$23.52

Last Year. Omnidirectional. Wire-mesh "pop-proof" filter. Response: 60-13,000 Hz. Output: -58 dB. Impedance: 3000 ohms and Hi-Z. On/Off switch. Base has standard $5\frac{1}{2}$ "-27 thread. Satin chrome. $10\frac{1}{2} \times 1\frac{1}{2}$ " dia. Japan. Wt., 2 lbs. \$18.52

N Model D-30 Dynamic. Was \$11.76

Last Year. Has medium (3000 ohms) plus high impedance. Omnidirectional. Output: -60 db. Response: 100-10,000 Hz. With desk stand, lavalier cord, 16' cable, $5\frac{1}{2}$ "-27 floor stand coupler. On/Off switch. Black. $3\frac{3}{4} \times 1\frac{1}{2}$ " dia. Japan. 12 B 7095. Wt., 2 lbs. \$9.76

Mike Mixers, Connectors



P Model 306 Stereo Mixer. Four monaural channels to two stereo. Four input jacks. Hi-Z. Two phono jack outputs. Size, $2\frac{1}{2} \times 3\frac{1}{2}$ ". Wt., $1\frac{1}{2}$ lbs. \$14.70

12 B 7171. \$23.52

12 B 7172. 306TR. Above, with battery-powered solid-state stereo amplifier. With battery. $1\frac{1}{2}$ lbs. \$23.52

Model 301. Mono Mixer. Four inputs to single output. 2-conductor phone plug inputs, phono jack output. Hi-Z. Size, $2\frac{1}{2} \times 3\frac{1}{2}$ ". Shpg. wt., $1\frac{1}{2}$ lbs. \$12.94

12 B 7169. \$19.11

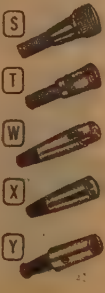
12 B 7170. Model 301TR. Above, with battery-powered solid-state amplifier. With battery. Wt., $1\frac{1}{2}$ lbs. \$19.11

R Model 503 Mike Preamp. Matches mikes to transistorized recorders, amplifiers. Switchable 40K/2K ohms impedance input. 2K output with 6-25 dB gain. Battery, 12" cable, adapter for $\frac{1}{4}$ " mini-jack/plugs. $2\frac{1}{2} \times 1$ "

12 B 7052. Wt., 4 oz. \$9.69

Microphone Connectors. Single-contact 2501's fit Knight PA amplifiers (except KN-3050—use fig. W). To splice 2 cords, use one 2501F and one 2501M. A3F, A4F, A3M, A4M are quick-ground 3 and 4-contact insulated types. Type 05BL3M; miniature 3-pin plug, contact friction coupling. Type 12BL5M is same, 5 pins. Shpg. wt., 4 oz.

Stock No.	Type	Fig.	Description	EACH
12 B 7405	2501F	S	Plug or Jack	.47
12 B 7406	2501M	T	Plug or Jack	.29
12 B 7417	A3F	W	Fem. Conn.	1.35
12 B 7418	A4F	W	Fem. Conn.	1.68
12 B 7419	A3M	X	Male Conn.	1.19
12 B 7420	A4M	X	Male Conn.	1.23
12 B 7390	05BL3M	Y	Plug	.97
12 B 7391	12BL5M	Y	Plug	1.09

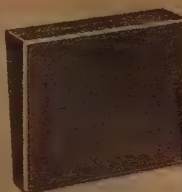


ARGOS Decorator-Styled Speaker-Baffles



"Thinline"
Series
featuring
**FULL-RANGE
Speakers**

Low
As **\$740**



A 8" and 12" Baffles with Speakers Installed

Modern space-saving baffles with powerful 8" or 12" speakers installed and wired. Perfect for paging or background music. Clean, sculptured appearance. Walnut wood-grain vinyl covering except Series 508 has wood-veneer finish. Matching cane grilles, screw terminals. "L" in model no. indicates L-pad; "V," standard volume control; "T," 70.7-volt transformer. 8 ohms, except for 70.7-volt types.

Series 108. 8" speaker with 1-oz. magnet; 6-watt capacity.

Series 408. 8" speaker with 4.8-oz. magnet; 10-watt cap.

Series 508. 8" speaker with 6-oz. magnet; 15-watt cap.

Series 212. 12" speaker with 10-oz. magnet; 20-watt. Excellent bass-frequency reproduction.

Stock No.	Model	Baffle Size	Wt. Lbs.	EACH	
				1-5	6-Up
12 B 7883 X	108CS	9 1/2 x 12 x 1 1/4"	4	7.79	7.40
12 B 7342 X	108CSV	9 1/2 x 12 x 1 1/4"	5	9.80	9.31
12 B 7344 X	408CS	9 1/2 x 12 x 1 1/4"	5	9.55	9.07
12 B 7350 X	408CSL	9 1/2 x 12 x 1 1/4"	6	11.77	11.12
12 B 7351 X	408CSLT	9 1/2 x 12 x 1 1/4"	6	14.21	13.50
12 B 7352 X	508CS	9 1/2 x 11 x 3 1/4"	6	11.71	11.12
12 B 7353 X	508CSL	9 1/2 x 11 x 3 1/4"	7	13.86	13.16
12 B 7354 X	508CSLT	9 1/2 x 11 x 3 1/4"	7	15.63	14.85
12 B 7888 X	212CSL	13 1/4 x 16 x 6 1/4"	10	17.59	16.71

B "Professional" Wall-Mounting Baffle

Model PWB-8C. For 8" speaker. Rectangular shape and trim sculptured look. Ideal where extra air volume is needed. Gives almost twice the air volume for better tone. "Speedy Mounting" clips for easy hanging. Wood-grained vinyl cover, plastic cane grille. Less speaker. Walnut finish. Size, 16 1/2 x 14 x 6 1/4". Shpg. wt., 6 lbs.

12 B 7882 X. 6-Up. . . . Each 6.05 1-5. . . . Each 6.37

C Wall-Mounting Birch Baffles

Durable cane grille. Include hardware, mounting clips. Walnut finish enhances any setting. Less speaker.

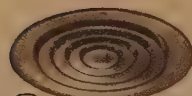
Stock No.	Model	Size	For	Lbs.	1-5, EA.	6-Up, EA.
12 B 7523 X	DWB-8A	10 1/2 x 9 1/4 x 6 1/2"	8"	3 1/4	5.88	5.60
12 B 7524 X	DWB-12A	14 x 13 3/4 x 9 1/4"	12"	5	8.23	7.80

D Slant-Front Corner-Mount Baffles

Corner mounting. "Clip-In" front goes on or off in second; "Speedy Mounting" clips; screw terminals. Bass reflex design. acoustic padded. Cane grille; wood-grained vinyl—attractive walnut finish. Less speaker.

Stock No.	Model	Size	For	Lbs.	1-5, EA.	6-Up, EA.
12 B 7520 X	SCB-8D	15 x 17 1/4 x 9"	8"	5 1/4	8.96	8.51
12 B 7511 X	SCB-12D	20 x 20 1/4 x 10 1/2"	12"	8	12.69	12.05

SOUNDOLIER Ceiling Baffles and Enclosures for 8" Speakers



E 67-8 Baffle. Flush-mounting louvered ceiling baffle. Welded construction prevents vibration or rattle. Aluminum finish. Fits 10 1/2" hole. 12" dia. Use 95-8 enclosure. Wt., 2 lbs. 12 B 7546 X. 5-Up Ea. 3.98 1-4 Ea. 4.53

F 61-8 Trim Ring Baffle. Highly polished, simulated stainless, flush-mounting trim ring. Vibration- and rattle-free 20-gauge steel construction. Fits 8 1/2" hole. 12 1/4" dia. Use 95-8 enclosure. Wt., 1 1/4 lbs. 12 B 7548 X. 5-Up Ea. 2.59 1-4 Ea. 2.95

G 68-8 Low-Ceiling Baffle. Satin-brushed aluminum; fits 8 1/2" hole; 12 1/4" dia. Use 95-8 encl. 1 1/4 lbs. 12 B 7547 X. 5-Up Ea. 6.07 1-4 Ea. 6.93

H 169-8 Square Baffle. (Illus. with 193-8 encl.) 24-ga. steel; white; fits 9 1/2" hole; 10 1/2" square. 1 lb. 12 B 7554 X. 5-Up Ea. 2.08 1-4 Ea. 2.37

J 193-8 Enclosure. (Illus. with 169-8 baffle.) Welded 20-gauge steel. 3 3/4 x 9 5/8" square. Wt., 1 1/4 lbs. 12 B 7555. 5-Up Ea. 3.47 1-4 Ea. 3.96

J 51-8 Trim Ring Baffles. Flush mount. White 24-gauge steel. Fit 8 1/2" diameter hole. 12 1/4" diameter. Use type 95-8 round enclosure. Package of 5 baffles. Wt., 6 1/4 lbs. 12 B 7502 X. Pkg. of 5 for 7.95

95-8 Round Enclosure. (Not illus.) 20-gauge steel, for use with any round baffle shown above. Jute lining cuts resonance. Size, 4 1/4 x 9 1/8" diam. Shpg. wt., 3 lbs. 12 B 7550 X. 5-Up Ea. 4.26 1-4 Ea. 4.86

SOUNDOLIER 8-inch Speaker-Baffle Systems

Fully assembled speaker systems consist of top quality 8-inch speaker and transformer, mounted in your choice of above baffles. Packaged units save you both money and time. Stripped leads and wire nuts make installation fast and easy.

Speakers have 3.16-oz. Alnico V magnet, handle 6 watts. Frequency response, 40-15,000 Hz. Impedance, 8 ohms. Maximum diameter, 8 3/8"; depth, 3 1/2". Mounted 70.7-volt transformer has taps for 0.5, 1 and 2 watts. Color-coded leads.

Each system includes speaker and transformer described at left, mounted in baffle indicated. Baffles listed separately above.

Stock No.	Model	Baffle Type	Wt. Lbs.	EACH	
				1-4	6-Up
12 B 7501 X	B67-8	67-8	4	11.49	10.89
12 B 7500 X	B61-8	61-8	4	9.94	8.56
12 B 7503 X	B68-8	68-8	4	12.89	11.59
12 B 7514 X	B169-8	169-8	4	9.21	8.43
12 B 7522 X	B51-8	51-8	3 1/2	9.18	8.05

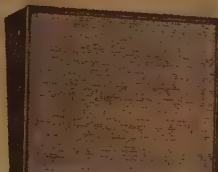
Popular-Priced Speaker Baffles by UTAH



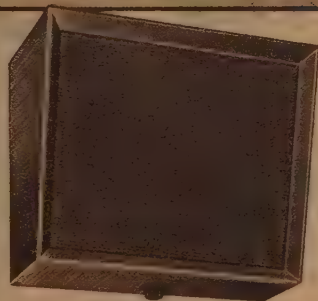
A



B



C



A Low-Cost Baffle for 8" Speaker

Takes 8-inch speaker. Perfect for use in economy PA and music system installations in stores, homes and offices. Birch veneer with handsome walnut finish. Size, 9x11x5 $\frac{1}{2}$ ". Less speaker. Hardware included. Shpg. wt., 3 lbs.

12 B 7092 X.....4.95

B Sloping 9-Watt 8" Speaker-Baffle

Sloping baffle with 8-inch speaker designed for best dispersion angle. 9-watt, 8-ohm speaker has 1.47-oz. Alnico V magnet. Screw terminals for fast wiring. Size, 9x11x6". Covered with durable wood-grained fabric. Attractive walnut finish. Shpg. wt., 4 lbs.

12 B 7091 X.....6.95

Model TS8-D. Extra-thin speaker-baffle with transformer (70.7 V, .31 to 5 watt taps). 9x12x4". Walnut finish. Shpg. wt., 3 $\frac{1}{2}$ lbs.

12 B 7013 X. Shpg. wt., 3 $\frac{1}{2}$ lbs.....11.97

C Extra-Thin 8" Speaker-Baffle

Model TP8-B. Thin tapered 4" deep wood baffle. Features 8" shallow speaker with barium ferrite magnet for more sound per watt. L-pad volume control. 6 watts. 8 ohms. Screw terminals, hardware. 9x12x4". Walnut finish. Shpg. wt., 3 $\frac{1}{2}$ lbs.

12 B 7842 X.....10.95

Model TS8-B. Low-cost version of above, with wood-grained fabric cover. Walnut finish. Shpg. wt., 3 lbs.

12 B 7012 X.....9.95

Tapered 8" Speaker-Baffle

\$13.95 With Volume Control

8" speaker; smooth bass response; 10-watt capacity. L-pad control. 8 ohms. 9 $\frac{1}{2}$ x12x6" wood baffle has walnut finish. Shpg. wt., 5 $\frac{1}{2}$ lbs.

12 B 7552 X.....13.95

12 B 7553 X. 70.7-Volt Speaker-Baffle.

As above, with 70.7-V transformer.

10, 5, 2 $\frac{1}{2}$, 1 $\frac{1}{4}$, .62 watt taps. Shpg. wt., 6 $\frac{1}{4}$ lbs.....15.95

Model TS8C "Stellar" 8. (Not illus.)

8-watt, 8-ohm speaker; handsome walnut fabric. Overall size 9x12x4".

Shpg. wt., 3 lbs.

12 B 7562 X.....9.11

12 B 7581 X. Model TS8A. (Not illus.)

As above, with volume control and

70.7-V transformer. 5, 2 $\frac{1}{2}$, 1 $\frac{1}{4}$, .62,

.31 watt taps. Shpg. wt., 4 lbs.....13.91

Handles 9
Watts Audio

\$6.95

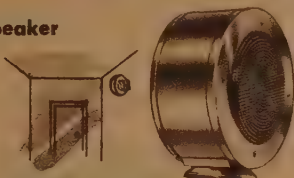
Streamlined
with Control

\$10.95

Bi-Directional Speaker

\$16.77

- For Corridor Use
- Two-Way Sound Radiation

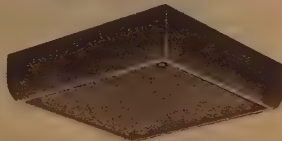


Model M8BD-WS. Radiates sound from both front and back. Ideal for use in hallways. Designed for wall or ceiling mounting. Includes heavy duty PA8JC speaker that handles 15 watts with 10-ohm magnet. 8-ohm impedance. Pre-wired. Brushed aluminum. 10" high, 5" deep. Shpg. wt., 4 lbs.

12 B 7014 X.....16.77

8" Speaker-Baffle for Ceilings

\$9.57



Eliminates costly ceiling cutouts! Thinner than most lighting fixtures, yet includes an efficient, shallow 8" speaker with barium ferrite magnet for good response, top performance. Handles 5 watts; 8-ohm impedance. Hardware included for ceiling mounting. Neutral beige surface can be repainted. Size, 11x11x2 $\frac{1}{4}$ ". Mounts on ceilings $\frac{3}{8}$ " to $\frac{3}{4}$ " thick. Shpg. wt., 4 $\frac{1}{4}$ lbs.

12 B 7561 X.....9.57

PA Speakers and Line Transformers

Low-Cost Line-to-Voice-Coil Transformers

Permit driving speakers at various power levels from same 70.7 or 25-volt line. Select desired power tap on transformer—does not affect other speakers in same system. Use with 4 to 16-ohm speakers as indicated. All have solder terminals. 1 $\frac{3}{4}$ " mounting centers, except "2" mounting centers. Shpg. wt., 1 lb.

Stock No.	Watt Taps	Line Volts	Imp. Ohms	EACH	
				1-11	12-Up
12 B 7087	2, 1, .5	70.7	8, 4	1.59	1.45
12 B 7088	5, 2.5, 1.25, .62, .31	70.7	8, 4	1.59	1.45
12 B 7821	10, 5, 2.5, 1.25, .62, .31	70.7	16, 8, 4	1.69	1.57
12 B 7822	5, 2.5, 1.25, .62, .31	25	16, 8, 4	1.59	1.47
12 B 7823	10, 5, 2.5, 1.25, .62*	25	16, 8, 4	2.24	2.05

Space-Saving Thin Speakers

PA speakers. No. in Mfr's Type indicates speaker dia. PA8J has Alnico V magnet; others ceramic. Suffix "W" indicates dual cones. 8 ohms except SP8FC1, 45 ohms.

Stock No.	Mfr's Type	Watts	Mag. Oz.	Depth In.	Wt. Lbs.	EACH		
12 B 7907	PA8ECS	8	3.0	1 $\frac{1}{2}$ "	1 $\frac{1}{2}$ "	4.92	4.65	4.40
12 B 7908	PA8FC	10	5.5	2 $\frac{1}{4}$ "	1 $\frac{3}{4}$ "	4.98	4.73	4.48
12 B 7909	PA8FC-W	10	5.5	2 $\frac{1}{4}$ "	1 $\frac{3}{4}$ "	5.28	5.02	4.75
12 B 7011 X	SP8FC1	10	5.5	2 $\frac{1}{4}$ "	1 $\frac{3}{4}$ "	6.40	6.08	5.76
12 B 7913	PA8JC-W	15	10.0	3	2 $\frac{1}{4}$ "	7.35	6.98	6.61
12 B 7914 X	PA12JC	18	10.0	4 $\frac{1}{4}$ "	4 $\frac{1}{2}$ "	8.70	8.26	7.83
12 B 7916	PA8J	15	6.8	4 $\frac{1}{4}$ "	3	6.76	6.38	6.06



New! Tunable Reverb Outfits by Allied

\$24⁹⁵ Trunk Mount



Exclusive **TUNABLE** Control Unit

Solid-State Trunk Mount Tunable Reverb

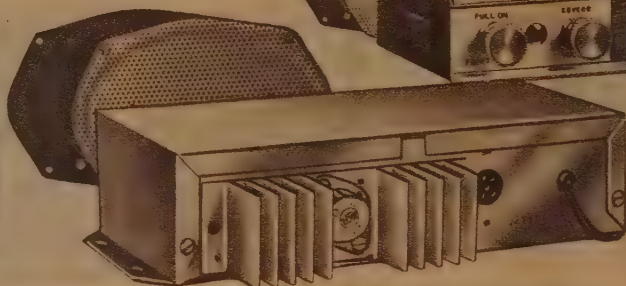
Add the thrilling "live" sound of reverberation to your car radio with this deluxe system. Features variable control that lets you adjust reverberation to your liking. Reverb unit mounts in trunk. Control unit, with pilot light and handsome chrome and walnut finish, mounts under dash. Includes 6" speaker (for convertibles); 6x9" adapter-board (for rear deck mounting), plus 6x9" chrome-plated grill. For 12-volts, negative ground. Shpg. wt., 5 lbs.

19 B 4191. \$5 Monthly..... **24.95**



\$19⁹⁵

Dash Mount



Solid-State Dash Mount Tunable Reverb

Enjoy exciting "concert-hall" reverberation in your car. Mounts under dash, connects to your car radio. Offers variable reverb control to let you adjust amount of reverb. Simple, quick installation. Handsomely styled in chrome and simulated walnut. 1½x7x5½". With 6" round speaker (for convertibles), 6x9" adapter-board (for rear deck mounting), 6x9" chrome grill. For 12 volts, negative ground. Shpg. wt., 5 lbs.

19 B 4192. \$5 Monthly..... **19.95**

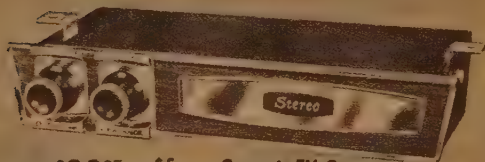
New "Custom Look" Solid-State Car Radios by RANGER



\$38⁹⁵ \$5 monthly Adds High-Fidelity FM to Your Car Radio



\$57⁹⁵ \$5 monthly Complete Entertainment, Tunes AM and FM



\$69⁹⁵ \$5 monthly Converts FM Car Radios to Stereo



\$27⁹⁵ \$5 monthly Deluxe, Compact AM Radio Fits Any Car

New! Slim-Line FM Car Radio Tuner

Adds the wonderful world of FM programming to your present AM car radio. Solid-state circuit—no drift, excellent wide-range response. 6 transistors, 8 diodes. Unique mounting design permits built-in look, and interchangeable walnut and black vinyl inserts add to custom appearance. Chromed knobs and trim. (Multiplex output permits stereo-FM reception with adapter below.) Size, 1½x9x4½". For 12 volts, negative ground. From Japan. Shpg. wt., 4 lbs.

19 B 4038. \$5 Monthly..... **38.95**

New! Slim-Line FM-AM Under-Dash Radio

Slim, trim under-dash radio tunes high-fidelity FM broadcasts, plus your favorite AM programs. Solid-state circuit—reliable, compact. Slide-rule dial, tone and volume controls, FM-AM selector switch. Multiplex output permits addition of FM stereo, 11 transistors, 8 diodes, thermistor. Interchangeable walnut and black vinyl inserts add to built-in look. 5x7" speaker. 1½x9x4½". For 12-volt, neg./pos. ground. Japan. Shpg. wt., 6 lbs.

19 B 4256. \$5 Monthly..... **57.95**

New! Slim-Line Stereo FM Adapter

Add the exciting realism of stereo to your FM car radio. 11-transistor converter plugs into any Ranger FM radio or other FM car radio with a multiplex jack. Dual-channel volume and tone controls, balance control, full-range circuit, pilot light, stereo-FM indicator light. With two adhesive inserts, one black vinyl and one walnut, for custom-matching your car. Chromed case, 1½x9x4½". With universal bracket for under-dash mtg. Requires speaker. For 12-volt neg. ground. From Japan. Shpg. wt., 6 lbs.

19 B 4224. \$5 Monthly..... **69.95**

New! Slim-Line Universal AM Car Radio

One of the finest solid-state AM car radios we've ever offered. Luxuriously styled, yet compact enough to mount easily under the dash of any car. Interchangeable walnut and black vinyl inserts, included. 6 transistors, 8 diodes. Circuit has RF stage for outstanding reception. Full 2-watt audio output. Tone control. Built-in 5x7" speaker. With universal mtg. bracket. Chrome trimmed case, 1½x9x4½". For 6/12 V, neg./pos. ground. From Japan. Shpg. wt., 5 lbs.

19 B 4255. \$5 Monthly..... **27.95**

Custom-Look Car Radios by "Automatic Radio"

RADIOS FOR VW'S



\$69.95
\$5 monthly

FM-AM Pushbutton Custom Radio

Priced well below dealer-installed VW radios. Custom-designed to dash-mount in 1958-1967 VW sedans. Five easy-set pushbuttons, 3 for FM, 2 for AM. 11-transistor circuit has seven tuned stages, plus RF stage. Tone control. With 6" speaker. 6/12 volts. From Japan. Shpg. wt., 9 lbs.

19 B 4456 X. \$5 Monthly. **69.95**



\$39.95
\$5 monthly

AM Pushbutton Custom Radio

This 7-transistor radio is priced well below dealer-installed VW radios. Perfectly fits in dash of 1958-1967 VW sedans. Five easy-set pushbuttons, tone control. 6" speaker. For 6 or 12 v. 7½ lbs.

19 A 4251 X. \$5 Monthly. **39.95**



\$39.95
\$5 monthly

New! Pushbutton AM Radio for VW Models 1500 and 1600

Similar to radio above, but mounts in dash of VW 1500 "squareback" sedan or 1600 "fastback" sedan. With 6" speaker. For 12 volts. Japan. 9 lbs.

19 B 4386 X. \$5 Monthly. **39.95**

Solid-State AM Tractor Radio

Special Ruggedized Construction for Use on Tractors

\$62.50
Manual

\$69.95
Pushbutton



New, rugged, powerful! Pulls in up-to-the-minute farm prices, news, weather, and music. All-transistor circuit with tuned RF stage, and push-pull output for plenty of volume. Reversible polarity—operates from 6 or 12-V. Shockproof mount takes roughest abuse; Weatherproof construction. With antenna, mounting bracket.

19 B 4152 K. Pushbutton Model. 22 lbs. **69.95**

19 B 4128 K. Manual Model. 22 lbs. **62.50**

\$69.95
\$5 monthly



Solid-State FM-AM Pushbutton Radio

Deluxe performing 11-transistor radio. Gives you wide-range reception of static free FM, plus AM. Sensitive circuit pulls in strong, clear signals. Push-pull output provides plenty of volume without distortion. Easily mounts under dash in all cars, trucks, or boats, and in-dash in many autos. Has volume and tone controls. Large 5x7" speaker. For 12 volts, positive or negative ground. 2x7x7" deep. From Japan. 10 lbs.

19 B 4254 X. \$5 Monthly. **69.95**

\$44.95
\$5 monthly



High-Fidelity FM Car Radio Tuner

Adds the enjoyment of static-free FM music to your car radio. Deluxe circuit boasts 9 transistors, 4 diodes, thermistor. AFC circuit keeps stations locked in. "SS" switch eliminates overload and distortion in strong signal areas. Easily plugs into present car radio, uses existing antenna. For 12 VDC, neg. ground. 2½x7x6½". With all cables and instructions. 4 lbs.

19 B 4193 X. \$5 Monthly. **44.95**

Manual
\$19.95
Pushbutton
\$29.95



Lowest Cost Universal AM Radio

Manual Tuning. This value-packed AM radio boasts a high-gain 6-transistor circuit. Offers good sensitivity and selectivity. Mounts under dash in any 12-volt vehicle; will mount in-dash in some cars. Built-in 4" speaker. Easy-to-read slide-rule dial. 2x5x6¾". For 12 volts DC, negative or positive ground. From Japan. Shpg. wt., 9 lbs.

19 B 4234 X. \$5 Monthly. **19.95**

19 B 4235 X. Pushbutton Model. As above, but also has five easy-to-set pushbuttons. \$5 Monthly. **29.95**

\$29.95
\$5 monthly



New! Pushbutton 9-Band Shortwave Car Tuner

Enjoy fascinating shortwave reception in your car. Tune 3.1 to 22 MHz, in nine bands, with this solid-state tuner. Pulls in European radio. Voice of America, more. Pushbuttons select 90, 60, 49, 41, 31, 25, 19, 16 and 13 meters. Tune your AM radio to approximately "10," select desired band, then tune with your regular radio. Plugs into antenna socket of your AM radio, uses its standard antenna. Only 1½x8½x3½" deep. For 6 or 12 volts, negative or positive ground. Shpg. wt., 3½ lbs.

19 B 4041. \$5 Monthly. **29.95**

Car Radios and Accessories — Battery Chargers

"Hash-Husher" Noise Filter Kit



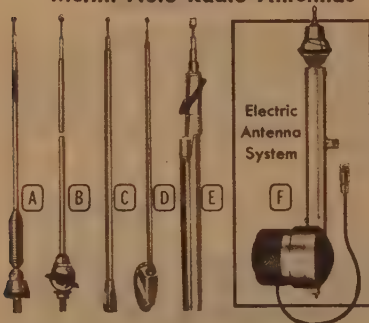
Low As
\$10.50

Reduces Annoying Interference—Especially Effective on FM Radio and CB

Add miles to mobile AM, FM, CB or Ham reception. Filters out interference ("hash") carried to your radio receiver from the ignition, alternator and other high-tension engine components. Won't affect electrical or mechanical operation. Snaps in place between spark plugs and leads. Has high-tension coil-to-distributor filter lead. 8 oz.

19 B 4435. HH-8 for 8 Cylinder.....12.95
19 B 4436. HH-6 for 6 Cylinder.....10.50

Merlin Auto Radio Antennas



Electric Antenna System

A SP-3800. Has built-in booster coil for long range reception—equivalent to 125' mast. Swivel ball base permits mounting at any angle. With unbreakable stainless steel spring mount. 3 sections, 48" lead cable.
19 B 4437 X. Shpg. wt., 2 lbs.....3.49

B SP-901. Standard 3-sec. top mount with ball and steel stamped rocker base. Extends from 25" to 57". Has 48" fixed lead cable. Shpg. wt., 2 lbs.
19 B 4438 X.....1.89

C SP-100. Universal replacement for broken mast—mast of stud. 3 sections extend from 23" to 57". With allen wrench, set screws. Shpg. wt., 1 lb.
19 B 4439 X.....98¢

D SP-2601. Single stanchion mount. For any model Volkswagen through '65, other foreign cars. 23" mast extends to 57". With chrome base, 36" copper lead cable.
19 B 4440 X. Shpg. wt., 2 lbs.....2.49

E 19 B 4441 X. For 1967 Volkswagens.....2.89

F TM-S. Electric power antenna for front mounting on most domestic cars. Extends to 35", collapses to 1 1/4". With 54" shielded cable, 72" elec. harness. Operates from 12 VDC; 15-lb. thrust. Includes hardware.
19 B 4442 X. Shpg. wt., 6 lbs.....17.50
19 B 4443 X. Adapt. for Rear Mount. 1 lb.....2.98

Custom Car Radios by Automatic Radio

Pushbutton FM-AM Fits As Original Equipment

\$89.95 \$5 monthly



Custom FM-AM Pushbutton Radios

FM-AM radios with same fit as original equipment. All-transistor circuit. 5 pushbuttons for fast station selection. FM has 13 high-gain circuits, AFC to prevent drift. Have speaker, antenna. *Shipped F.O.B. Boston, Mass. No C.O.D. orders. Specify car make, model, year.* 13 lbs.
19 B 4210 XF. 1966 Chevrolet (Biscayne, Bel Air, Impala).....89.95
19 B 4211 XF. 1965-66 Ford Galaxie.....89.95
19 B 4212 XF. 1965-66 Ford Mustang.....89.95
19 B 4444 XF. 1967 Ford Mustang.....89.95
19 B 4213 XF. 1966 Oldsmobile.....89.95
19 B 4445 XF. 1967 Oldsmobile.....89.95
19 B 4446 XF. 1966-67 Oldsmobile F-85.....89.95
19 B 4214 XF. 1965-66 Pontiac.....89.95

Easy-to-Install AM Radios Provide High Sensitivity—Finest Reception

\$39.95 \$5 monthly



Custom Pushbutton AM Radios

Fully transistorized—no warmup required. Easy-to-set pushbuttons offer instant station selection. Treble-Bass control. 7 high-tuned circuits for max. sensitivity. Complete with speaker. *Shipped F.O.B. Boston, Mass. No C.O.D. orders accepted. Specify car make, model and year.* Shpg. wt., 11 lbs.....Any Unit 39.95

Yr., Model	Stock No.	Yr., Model	Stock No.	Yr., Model	Stock No.
'66 Chevelle	19 B 4215 XF	'67 Galaxie	19 B 4460 XF	'67 Charger	19 B 4463 XF
'65 Chevelle	19 B 4216 XF	'66-65 Galaxie	19 B 4221 XF	'67 Olds	19 B 4464 XF
'64 Chevelle	19 B 4217 XF	'64 Galaxie	19 B 4222 XF	'66 Olds	19 B 4230 XF
'67 Camaro	19 B 4447 XF	'67 Fairlane	19 B 4461 XF	'65 Olds	19 B 4231 XF
'67-65 Corvair	19 B 4448 XF	'66 Fairlane	19 B 4225 XF	'67 Pontiac	19 B 4465 XF
'67 Chevy	19 B 4449 XF	'65 Fairlane	19 B 4226 XF	'66-65 Pontiac	19 B 4232 XF
'66 Chevy	19 B 4218 XF	'64 Fairlane	19 B 4227 XF	'64-63 Pontiac	19 B 4233 XF
'65 Chevy	19 B 4219 XF	'67 Mustang	19 B 4462 XF		
'64-63 Chevy	19 B 4220 XF	'66-65 Mustang	19 B 4229 XF		

Schauer Battery Chargers



BR-312

Low As
\$9.95

Dependable Battery Chargers at Low, Low Allied Prices

BR-312 6-Amp Automatic Charger. For 12-V batteries, operates without attention. Automatically shuts off when battery is fully charged, yet has "trickle charge" to keep battery fully charged. With ammeter. Gold-color case. 9 1/2 x 6 1/2 x 6 1/2". 110-120 V, 60 Hz AC. Shpg. wt 9 lbs.

19 B 4004. \$5 Monthly.....19.95

A-6612 4-Amp Charger. For 6- or 12-V batteries. Charges in 5-15 hrs. Voltage switch; circuit breaker; ammeter. 7 1/4 x 5 x 5". For 115 V, 60 Hz AC.

19 B 4008. Wt., 5 lbs.....9.95

C-6612 10-Amp Charger. 6- or 12-V Batteries in 2-6 hrs. Circuit breaker, ammeter. Size, 9 1/2 x 6 x 6 1/2". For 110-120 V 60 Hz AC. Shpg. wt., 11 lbs.

19 B 4010.....16.95

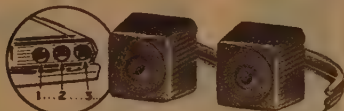
19 B 4009. B-6612 6-Amp Charger. Charges in 3-7 hrs. Wt., 9 lbs.....11.95

Install-It-Yourself Auto Parts and Accessories

Sequential Turn Signals

\$1895

For Any Car
With 3-Bulb
Tail Lights



- Installs in a Few Minutes
- Encapsulated Modular Circuit

Modernize your car with sequential turn signals. Continuous, pulsing waves of light point direction of turn. Install on any car with 3 tail/stop lights on each side. Consists of two transistorized units (one for each tail light), four color-coded cables molded in each unit, automatic connectors. 12 VDC.

19 B 4243. Wt., 3 lbs. 18.95

Battery-Operated Fluorescent Light

\$1695

- Ideal for Campers
- Operates Off Any 12-Volt Car Battery



Enjoy bright fluorescent light outdoors. Operates economically from your car cigarette lighter/battery. Requires only 1 amp, 12 VDC. With 25' cord, reflector, batt. jumper set, 8-watt fluor. tube, cigarette lighter adapter, transistorized power converter.

19 B 4189 X. Shpg. wt., 3½ lbs. 16.95



Back-Alert Audible Back-Up Alarm

\$379

Back-Up in Safety



Automatically buzzes when vehicle is placed in reverse gear. Clear, audible alarm prevents back-up accidents by alerting pedestrians and other motorists. Installs in minutes. Mounts on trunk lid or rear panel. For all 12-VDC cars with back-up lights. Chrome finish. Crimp-on connectors. Includes gasket and necessary hardware.

19 B 4264. Shpg. wt., 2 lbs. 3.79

53-Amp Alternator System

\$5995

\$5 monthly • Keep Your Battery at High-Charge Level

• Even Charges at Idle

Replace your low-amp alternator or generator with this heavy-duty unit—keep your battery at high-charge level. Ideal for CB, Ham mobile operators. Gives peak 53 amps, 15 A at idle. Splashproof windings. With regulator, 3/8" single pulley (not for air-cond. cars with 2 drive belts), bracket, cables. 12 VDC neg. or pos. gnd.

19 B 4039. Wt., 17 lbs. 59.95



"Radar Alert"



\$2995

- Promotes Safety
- Warns of Radar Traffic Zones

\$5 monthly



Gives audible warning when triggered by police radar. Alerts you when driving into dangerous areas; makes you aware of speed limits for safety. Clips to sun visor. Has 8 transistors, two 1000-hour mercury cell batteries, volume control. 2¼x3½x3¼". Beige. Use may be regulated by state laws.

19 B 4132. Shpg. wt., 1¼ lbs. 29.95

Bon Air Low-Cost Auto Vacuum Cleaner

\$945

- Lightweight • Powerful
- Plugs into Car's Lighter Socket



No car owner should be without this handy vacuum cleaner. Cleans-up campers, boats, planes, autos. Lightweight design. Powerful suction provided by 12,000 rpm motor and specially pitched impeller. Handy nozzle gives easy access to hard-to-get-at places. Dentproof finish. Draws only 4.5 amps. 4x17". For 12 VDC.

19 B 4257 X. Shpg. wt., 2 lbs. 9.45

Safety Hazard-Warning Flasher

\$429



A safety "must" for every car. This handy device prevents possible collision when you're stranded on a highway at night. Flashes all four turn-signals at once—warns approaching traffic of your stalled vehicle. Easy to hook-up, no cutting or stripping. Features illuminated pull-switch. For 12 VDC. With flasher, fuse, bulb and wire.

19 B 4029. Shpg. wt., 2 lbs. 4.29

Siren Burglar Alarm

\$2795

\$5 monthly

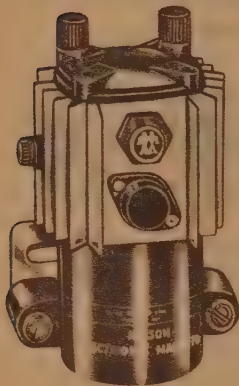
- Protects Door, Hood, Trunk
- Penetrating Sound

Protects your car trunk, doors and hood from burglars with the sharp penetrating sound of a police-type siren. Siren operates when doors, hood or trunk are opened and continues until alarm is turned off with key. Complete with 6 switches, brackets, electric lock, hardware, complete instructions. For 12 VDC. 6 lbs.

19 B 4127 X. \$5 Monthly 27.95



Install-It-Yourself Electronic Auto Accessories



Electronic-Magneto Ignition System

- Easy-to-Install One-Piece Unit
- Premium Silicon Transistor
- Top High-rpm Performance

Deluxe system gives improved ignition for faster starting, outstanding high-rpm performance, longer usable spark-plug and point life. Like the mechanical magneto, ignition voltage increases as engine speed increases, matching ignition requirements of engine. Even the output waveform is same as a magneto, reducing plug wear and giving hotter spark. Engine starts easier even in subzero weather.

Install simply by transferring 2 wires from your present coil. No need to remove original ballast. Uses less current than standard ignition. For 6 or 12 V neg. ground. 3 1/2 lbs.
 19 B 4112. \$5 Monthly . . . 39.88
 19 B 4385. As above, but for positive ground. . . 39.88

JUDSON

\$39.88 \$5 monthly

World's Largest Builder of Auto Superchargers



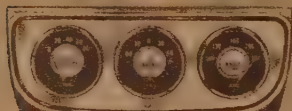
\$59.95

\$5 monthly

Tung-Sol EI-5 Capacitive-Discharge Ignition

The most advanced ignition system you can buy, for top performance and economy. Solid-state, with silicon controlled rectifiers for trouble-free operation. Delivers fast spark and low point-current—plugs and points last longer, fire easier. Engine starts easier, even in cold weather, with peak performance at all speeds. For 6 or 12 V system. Shpg. wt., 6 lbs.

19 B 4188. \$5 Monthly . . . 59.95



A "Luxury Look" for Your Dash

\$14.95

Oil-Ammeter-Water Gauge Cluster

Oil pressure gauge reads 0-80 lbs. Ammeter reads -60 to +60 amps. Water gauge reads 100°-280°. Chromed die-cast frame, wide-lip chromed bezels, includes walnut and black vinyl inserts for customizing. Illuminated. For cars with 12-V systems, neg. or pos. ground. Wt., 2 lbs.

19 B 4124. 14.95



Eliminates Guesswork

\$26.95

\$5 monthly

Tachometer-Oil-Ammeter-Water Gauge Cluster

Ammeter reads -60 to +60 amps. Oil pressure gauge, 0-80 lbs. Water temperature, 100°-250°. Tachometer, 0-8000 rpm. Chromed bezels, chromed die-cast frame, walnut and black vinyl inserts. With hardware, bulbs. For 8-cyl. cars with 12-V systems, pos. or neg. ground. 3 lbs.

19 B 4086. \$5 Monthly. 26.95



\$19.95 Tach/Oil Amp Cluster

Ammeter reads -60 to +60 amps; oil pressure, 0-80 lbs.; tach. 0-8000 rpm. Lighted dials. Chromed; walnut, black panels. With wire, hdwe., bulbs. For 8 cyl., 12 V, neg. or pos. gd. Shpg. wt., 2 lbs.
 19 B 4179. \$5 Mo. . . . 19.95



\$5.95 Ammeter/Oil Gauge Cluster

Helps prevent needless, costly repairs. Illuminated. Ammeter reads -60 to +60 amps; oil pressure gauge, 0-80 lbs. Metal frame; walnut, black inserts. Wire, bulb, fittings. For 6 or 12 V neg. or pos. Wt., 1 1/2 lbs.
 19 B 4125. 5.95



\$9.95 Bat-N-Vac Gauge Cluster

Bat-Chek gauge shows battery condition at all times. Manifold vacuum gauge helps maintain peak efficiency, economy. Chromed frame, bezels, walnut insert. Illuminated. For all 12-V cars. Shpg. wt., 2 lbs.
 19 B 4432. 9.95



\$14.95 Tac-N-Vac Gauge Cluster

0-8000 rpm tachometer shows when to shift, indicates engine condition. Vacuum gauge helps maintain efficiency, warns of needed repairs. Illuminated. Walnut/chrome. 8-cyl. Shpg. wt., 2 lbs.
 19 B 4433. 14.95



\$12.95 Mileage Monitor for Top Economy

Shows 5-45 miles/gallon and 0-30" of mercury manifold pressure. Helps find cruising speed for best mpg, indicates need for tune-up. Chromed case. Lighted, color-keyed scale. Easy to install. Shpg. wt., 2 1/2 lbs.
 19 B 4085. 12.95



\$9.95 Motor Monitor Spots Trouble

Reads 0-30" mercury manifold pressure and Poor-Fair-Good-Idle-Dececelerate. Spots engine conditions requiring attention, or when tune-up is due. Get high efficiency at all times. Chromed. Wt., 1 1/2 lbs.
 19 B 4084. 9.95

Tachometers and Gauges Eliminate Guesswork

A Wide-Sweep "GT" Tach

Gives continuous 0-8000 rpm reading for maximum performance and gas mileage. Zener regulated for accuracy. Solid-state circuit. Lighted 3½" dial. You set pointer to show when to shift. Black/chrome. Universal mount. For 8-cyl. cars. 19 B 4427. Wt., 1¾ lbs. \$24.95

B 3½" Custom Tachometer

Deluxe solid-state tach helps you get peak acceleration, economy. Zener diode regulated. Wide-view back-lighted dial. Two-wire installation. Black/chrome. For any 6 or 8-cylinder car. 19 B 4428. Wt., 1¾ lbs. \$19.95

C 3" "Speed Tach"

Lets you know when to up-shift for best acceleration, when to down-shift to avoid lugging. Illuminated 3" wide-view dial reads 0-8000 rpm. Zener regulated. Universal mount. Black/chrome. All 8-cyl. cars. 19 B 4429. Wt., 1¾ lbs. \$14.95

D Custom 2" Bullet Tach

Rugged tach with 2" dial; 0-8000 rpm. Zener diode regulated for accuracy. Universal mount for steering column, console, under dash, top of dash. Adjustable shift indicator. Black/chrome. 6/12 V. Shpg. wt., 1½ lbs. 19 B 4087. 8-Cyl. Car. \$12.95
19 B 4088. 6-Cyl. Car. \$12.95

E Volkswagen Tachometer

Get top performance from VW, most other 4-cylinder cars. Reads 0-6000 rpm. Just set pointer to proper shift points. Illuminated 2" dial. Mounts anywhere. Black/chrome. For 6 or 12 V ignition. 19 B 4430. Wt., 1¾ lbs. \$12.95

A
\$24.95
\$5 monthly

B
\$19.95
\$5 monthly

C
\$14.95

D
\$12.95

E
\$12.95



Full-Sweep 270° Tach

\$29.50

\$5 monthly

- 0-9000 rpm
- Panel Mount
- Full-Sweep Dial
- For All Cars—8, 6 or 4 Cylinder



Custom styled 3½" tachometer has three times the needle travel of ordinary tachs. Adjustable pointer can be set to shift points. Zener diode controlled. Chromed case. Universal mount. For 6 or 12 V, pos. or neg. gnd. Shpg. wt., 3 lbs. 19 B 4431. \$5 Monthly \$29.50

"G" Meter Accelerometer

\$29.95

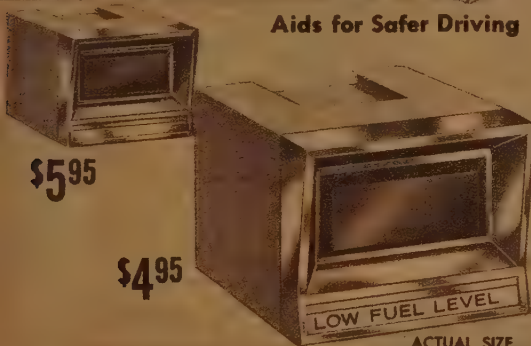
\$5 monthly

- Shows Your Exact Acceleration Rate
- Essential for Auto Racing and All High-Performance Driving



Gravity meter shows acceleration rate and available torque in each gear. Shows exactly when to shift for maximum acceleration. Illuminated 3" dial reads -1 to +1 g; zero center. Nothing to hook up; use in any car. Univ. mtg. 19 B 4184. Wt., 3 lbs. \$5 Monthly \$29.95

Aids for Safer Driving



\$5.95

\$4.95

Tail/Stop Light Indicator

A safety "must" for every car. Automatically warns you of tail or brake light failure. Saves the trouble of periodic checks. Mounts quickly under dash. Size, 1½x1½x2". For 12 VDC. Shpg. wt., 1 lb. 19 B 4400. \$5.95

Fuel Level Indicator

Light flashes on when fuel is low. Adjusts to light at any fuel level. Functions independently of regular fuel gauge. Mounts under dash. Size, 1½x1½x2". Shpg. wt., 1 lb. 19 B 4260. GM Cars. \$4.95
19 B 4261. All Others. \$4.95

Monitors Engine Performance While You Drive



\$39.88

\$5 monthly

- Converts to Tune-Up Tester
- Only Three Car Connections



Uni-Tach Tachometer/Dwell/Voltmeter

Monitors engine rpm, dwell angle, battery output, at the turn of a switch, to indicate point condition, timing, cranking and charging voltage. Tach useful for carburetor adjustments, setting idle speed; 0-1600, 0-6400 rpm. Dwell meter for point adjusting. Voltmeter reads 0-16 V. For 4, 6, 8 cyl. 4-cycle engines; 6/12 VDC pos. and neg. gnd. 6¼x3¾x2". 19 B 4015. Shpg. wt., 4 lbs. \$5 Monthly \$39.88

Keep Your Car in Top Tune and Save



MONEY-SAVING OFFER

FREE When You Buy
All Three Units



Keyless E-Z Start (described bottom left of page) is yours **FREE** when you buy all three of these hand-held car engine testers.

A Dual-Range Tach-Cam/Dwell-Points Tester with Big 3 1/2" Meter. Dual-range tach scale, 0-1000 and 0-5000 rpm. For adjusting idling speed, high-speed engine adjustments, properly setting correct cam angle of points. 0-45°, 0-60° dwell ranges. Resistance scale tells you when points should be replaced. For 4, 6 or 8-cylinder, 4-cycle engines, 6 or 12-volt systems. Zener-regulated. 1 lb.
19 B 4194. \$5 Monthly.....24.95

B 3 1/2" Meter Ignition Circuit Tester. Quickly and easily pinpoints troubles in the ignition system. Checks points, coil, condenser, spark plug, wire, resistance. Color-coded scale. Oil and gas-resistant leads. For 6, 12, 24-volt, pos. or neg. gd. Wt., 1 lb.
19 B 4195.....12.50

C 3 1/2" Meter Volt-Amp Tester. For testing, troubleshooting, setting generators, alternators, voltage regulators, overall electrical system. Ranges: volts, 0-8, 0-16; amps, 0-60. For 6-12 volts, positive or negative ground. Shpg. wt., 1 lb.
19 B 4196.....12.50

Bonus Offer. All three units above, plus **FREE** Keyless E-Z Start. 5 lbs.
19 B 0008 L4X. \$5 Monthly.....49.95

\$24.95 \$5
monthly

RAC Solid-State Auto Testers



D Idle and Tach-Cam/Dwell Tester. Measures dwell and rpm on 4, 6, 8-cylinder engines without changing connections or instruments. Scales: 0-1000 rpm; 0-45°, 0-60°. Tells when breaker points are spaced right, reveals dwell angle variations. Checks weak cylinders, valves, plugs, air-filter capacity, air-fuel ratio. Burnout-proof. 1 lb.
19 B 4197.....17.95

E 555 Idle Tach Tester. 0-1000 rpm. For adjusting idle speed on 4, 6, 8-cyl. engines. For 6-12 volts pos. or neg. gd.
19 B 4198. Wt., 1 lb.....9.95

F 556 Cam Dwell Tester. 0-45°, 0-60°. Shows cam dwell angle of breaker points on 4, 6, 8-cyl. engines. For 6-12 V.
19 B 4199. Shpg. wt., 1 lb.....9.95

G 558 Dual-Range Voltmeter Tester. Checks 6, 12-V systems. Troubleshoots.
19 B 4205. Shpg. wt., 1 lb.....9.95

H 559 Current Tester. Sets alternator and generator volt. reg. 6-12 volts.
19 B 4206. Shpg. wt., 1 lb.....9.95



Allen-Tune

Cam/Dwell-Tach

\$39.95 Professional
Quality
\$5 monthly Tester

Sets points to specs, measures engine rpm, cam angle of 4, 6, 8-cyl. engines. Dual-range tach: 200-1000 rpm for carburetor, transmission; 1000-5000 rpm for intermediate, high speeds. Dwell, 0-60°. 6' leads. Chrome-plated aluminum. 6-12 V.
19 B 4022. 5 lbs.....39.95



\$24.95

\$5 monthly

Professional
DC-Power Timing Light

Checks ignition timing, sticking automatic spark advance, cam wear, sync of double breaker arms. Extra-bright flash, visible in day. Bright-finish aluminum case. For 6 or 12-Volts.
19 B 4025. 3 1/2 lbs.....24.95

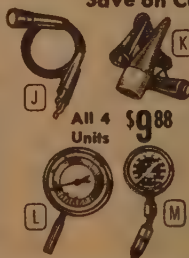


RAC Keyless E-Z Start

\$4.88 Starts, Turns Off Engine
from Under-the-Hood

Simplifies repair jobs, eliminates need for the second man. Combination remote starter/ignition switch "starts" car without a key. Lets you turn on ignition, start motor, and turn off ignition from under hood. Supplied with extra-long leads. Housed in shockproof case. Shpg. wt., 2 lbs.
19 B 4114.....4.88

Save on Complete Set of Troubleshooter Testers



All 4
Units \$9.88

Complete Set of 4 Tools Listed Below.
19 B 4113 X. 5 1/2 lbs. Save 69¢.....9.88

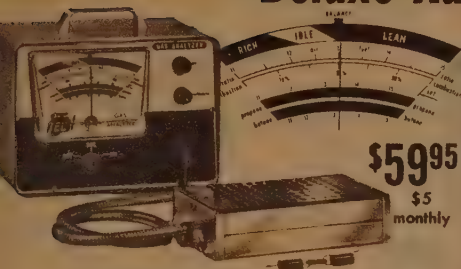
J Timing Light. Neon bulb. Wt., 1 lb.
19 B 4012.....2.75

K Remote Starter. Lets you "crank" engine from under hood. Wt., 1 lb.
19 B 4011.....1.98

L Vacuum and Fuel Pump Tester. 0-30" vacuum, 0-7 lbs. pressure. Wt., 1 1/2 lbs.
19 B 4014.....2.89

M Compression Tester. 0-300 lbs. 1 1/2 lbs.
19 B 4013.....2.95

Deluxe Automotive Test Instruments



Deluxe Exhaust Gas Analyzer

Clues you in on combustion problems and assists in making carburetor adjustments. Carburetor can be set while car is idling, or pickup unit can be hung on rear bumper, and receiver in car for precise carburetor settings on the road. Measures air-fuel ratios from 11 to 15, and percent of combustion. Color-coded Rich-Idle-Lean scale. Usable for propane and butane, too. Easy-to-read 6" meter. 12 lbs. 19 B 4207 X. \$5 Monthly... \$59.95

\$59.95

\$5 monthly



A "Must"
for the
Serious
Repairman

\$59.95

\$5 monthly

Solid-State All-Purpose Auto Analyzer

- Color-Coded, Easy-to-Read 7" Meter • Battery-Powered
- Tachometer, Spark Tester, Dwell Meter, Voltmeter, Ohmmeter
- Condenser Checker, Ammeter • For 4, 6, 8-Cylinder Engines

Fast-working, all-in-one analyzer makes tune-ups and servicing easier. Tachometer reads engine rpm—helps you to set idling speed and automatic transmission shift points. Dwell meter tests points, distributor and spark advance. Ammeter checks generator, alternator, voltage regulator. Ohmmeter covers electrical systems. Scales: Tach, 0-1200, 0-6000 rpm; Dwell angle, 0-60; Amps, -5 to +90; Volts, 0-3, 0-16; Spark Output, 0-30; Resistance, 0-20,000 ohms; condenser resistance; coil resistance. For 6 or 12 V. With batteries. 8 lbs. 19 B 4208 X. \$5 Monthly... \$59.95
18 B 5079. Extra Batteries. (Uses 3.) 10 oz. Pkg. of 4 for 65¢

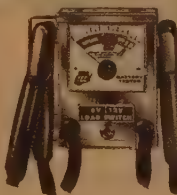
Hard-Top Battery Tester

\$29.95

Features Large
D'Arsonval Meter

\$5 monthly

Designed to test covered-top batteries. Checks charging rate and voltage drop. Also tests discharged batteries. Extremely easy to operate—makes complete test in only 30 seconds. Big easy-to-read D'Arsonval meter. For 6 or 12 volts. Shpg. wt., 4 lbs. 19 B 4209. \$5 Monthly... \$29.95



Electronic Accessories for Better Motorcycle Performance



A Electronic
Ignition
\$24.95

\$5 monthly

B Timing
Light
\$12.95

A Judson Cycle-Tron Electronic Ignition. Integrated system gives sure-fire ignition at any speed. Maintains constant voltage at spark plug—never loses power at high speeds. Sealed components impervious to corrosion. For cycle with battery ignition, 6 or 12 V. Dual-coil system requires two Cycle-Trons. 6 1/2" x 2 1/4". For negative grd. 19 B 4159. 4 lbs. \$5 Monthly... \$24.95

B AC-Powered Timing Light. "Stops" timing mark while engine is running. Gives sharp, bright image for accurate ignition timing. Checks automatic spark advance, detects worn distributor shaft, helps sync double points. Xenon strobe tube. U.L. Listed. For 110 volts, AC or DC. 2 lbs. 19 B 4160. \$5 Monthly... \$12.95

Shock-Mounted Weatherproof Electronic Gauges



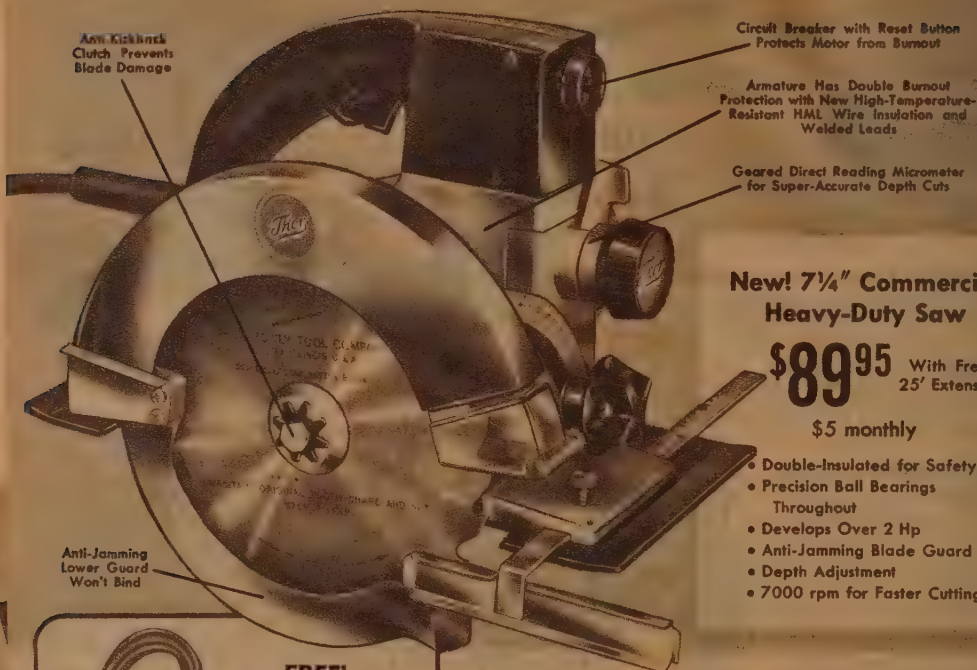
Withstand worst roads and weather. Custom hooded design. Two-inch illuminated dials. Case, bezel and mounting clamps die-cast for strength. Solid-state electronic circuits—no cables, just electrical connections. Striking chrome and black-wrinkle finish. Gauges mount on bar (below) or mount on handlebars. Shpg. wt., each 3 1/4 lbs.

- C** Tachometer. Shows 0-12,000 rpm for proper shifting. 19 B 4165. For 2 cylinder, 2 cycle... \$24.95
- 19 B 4173. For 1-cylinder, 4 cycle... \$24.95
- 19 B 4174. For 2-cylinder, 4 cycle... \$24.95
- D** Ammeter. For generator or alternator. 10-0-10 amps scale. 19 B 4166... \$12.95
- E** Head-Temperature Gauge. Shows cyl. head temperature. 19 B 4167. For 6 volts... \$14.95
- 19 B 4168. For 12 volts... \$14.95
- F** Battery Chk. Shows battery voltage. 19 B 4169. For 6 volts... \$14.95
- 19 B 4171. For 12 volts... \$14.95
- Mounting Bar. Attaches to handlebars, holds all gauges. 19 B 4170. Shpg. wt., 3 lbs. \$7.95

Your Dollar Buys More When You Order from Allied

ALLIED 209

Thor "Electronic" Power Tools



New! 7 1/4" Commercial Heavy-Duty Saw

\$89⁹⁵ With Free 25' Extension

\$5 monthly

- Double-Insulated for Safety
- Precision Ball Bearings Throughout
- Develops Over 2 Hp
- Anti-Jamming Blade Guard
- Depth Adjustment
- 7000 rpm for Faster Cutting

E-700. Here is a saw you must see and use to really appreciate, at an unusually low price for these outstanding features. Electrically safe without grounding—all current carrying parts completely isolated by Di-Electric double insulation. Big two-horsepower, high-speed, high-torque motor handles any job with almost no effort. "See Through" guard, and cutting edge blower to remove sawdust from line of cut, make accurate cutting easy. Max. depth of cut: 2 1/16" at 45°, 1 13/16". Wire brushed aluminum/black. With rip guide. 110-120 VAC. Wt., 20 lbs.

26 B 0008 L2X. With Free 25' Extension Cord. \$5 Monthly... **89.95**

FREE!

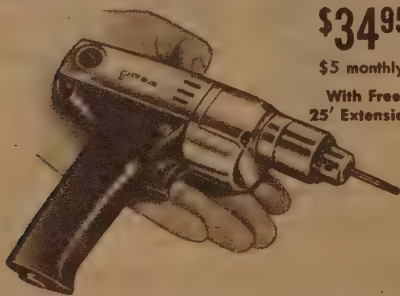
**WITH ANY TOOL
ON THIS PAGE
Reg. \$2.54 Cord**

Belden 25' Heavy-Duty
16-Gauge Extension Cord



\$34⁹⁵

**\$5 monthly
With Free
25' Extension**



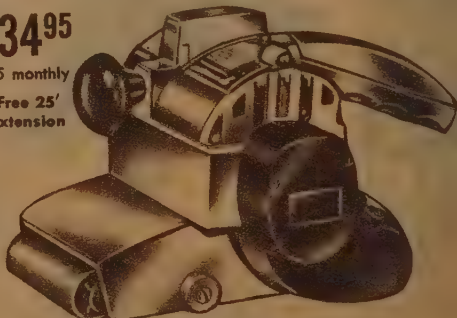
"Electronic" Drill Fits Your Palm

Model E110. Lightweight drill with 25-ft. extension cable bonus. Built-in solid-state rectifier powers 1.5-amp DC motor for amazing torque. Weighs only 27 oz. Drills 1/4" diameter in steel, 1/2" in wood. Burnout-resistant motor. Speed, 1200 rpm at no load, 1100 rpm at full load. Features double reduction gears. Complete with geared key chuck and key; 8-ft. 3-wire cord and plug. Aluminum housing 6 1/8" long. Less bit. U.L. Listed. For 110-120 volts, 60 Hz AC. Shpg. wt., 5 lbs.

26 B 0007 L2X. With Free 25' Extension. \$5 Monthly... **34.95**

\$34⁹⁵

**\$5 monthly
Free 25'
Extension**

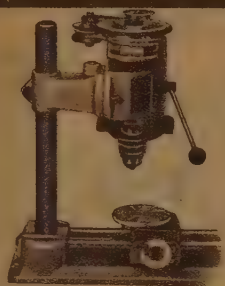


Multi-Speed 3" Belt Sander

Model 555. Heavy-duty belt sander with speed variable from 750 to 950 feet per minute. Match speed to the job with fingertip control lever. Sands flush to vertical surfaces. Quickly converts to stationary table sander with top lug for mounting in bench vise. Therm-O-Weld 5-amp burnout resistant motor; 2-position auxiliary knob handle; powerful gear drive; belt tracking adjustment; special alloy self-oiling bronze bearings. With belt, 3-wire cord, plug. U.L. Listed. 110-120 VAC. Wt., 8 lbs.

26 B 0009 L2X. With Free 25' Extension. \$5 Monthly... **34.95**

Precision Wood- and Metal-Working Power Tools



Versatile Machine Operates Vertically for Drilling



Unimat Multi-Purpose Precision Lathe

\$139⁵⁰

\$7 monthly

A Unimat 3" Metal Lathe

- Accurate Within .0005"
- Headstock Rotates 360°
- 11-Speed Belt Drive
- Ball-Bearing Spindle
- 6.9" Between Centers

Basic Unimat turns, faces, bores, recesses, parts-off, polishes in horizontal position . . . and in less than a minute, becomes a vertical machine that mills, drills, jig bores, and surface grinds. Headstock removes for use as hand drill (900 to 7200 rpm); rotates 360° on bed or vertical post; rocks at any angle. Features a belt-driven ball-bearing spindle, accurate within .0005". Offers eleven speeds from 900 to 7200 rpm.

Lathe handles 3"-diameter pieces, 6½" between centers. As ¼" drill-press takes pieces 6½" high; drills to center of 6" circle. Ball-bearing idler pulley. Heavy-ribbed bed. Overall, 5x14½x4". Has 1/10-hp motor and 3-conductor cord and plug. With key, roughing tool bit, wood chest, instructions. For 110-120 volts, AC-DC. From Austria. 34 lbs.

26 B 1431 K. \$7 Monthly. . . . 139.50

Accessories



B 1290 Power Feed Attachment. For precision finishing. 6 lbs
26 B 2443. \$5 Monthly. . . . 19.95

C 1240 Circular Saw Attachment. 6x8" table; rip fence; blade guard; arbor. Takes 2½-3½" blades.
26 B 2448. Shpg. wt., 4 lbs. . . . 14.95

D 1080 Jig Saw Attachment. With 12 asstd. blades. Wt., 6 lbs.
26 B 2445. \$5 Monthly. . . . 19.90

E 1100 Six ¼" Tool Bits. For finishing, parting-off, boring.
26 B 1692. Shpg. wt., 8 oz. . . . 9.50

F 1040 Steady Rest. Holds tubing, bars for machining, end drilling.
26 B 2444. Shpg. wt., 1 lb. . . . 9.95

G 1260 Index Head. For accurate spacing of milling, drilling.
26 B 2446. Shpg. wt., 1 lb. . . . 14.95

H 1002 4-Jaw Independent Lathe Chuck. For pcs. to 2½". Adapter.
26 B 1690. 1 lb. \$5 Monthly. . . . 22.50
1001 3-Jaw Chuck. Above, 3 jaw.
26 B 2442. Shpg. wt., 1 lb. . . . 25.15

J 1261 Round Table. Holds work for dividing, 3 sets of clamps.
26 B 2447. Shpg. wt., 1 lb. . . . 6.50

K 1210 Milling Table. 3x5". Mts. on cross slide. 2 clamp sets.
26 B 1689. Shpg. wt., 2 lbs. . . . 10.50

L 1010 Machine Vise. Mts. on cross slide or mill table. 1½" jaw.
26 B 1679. Shpg. wt., 13 oz. . . . 7.95

Rockwell Compactools Offer Benefits of Fixed and Portable Tools



\$79⁹⁵

\$5 monthly

7¼" Bench Saw With ½-hp Motor

Cuts wood, aluminum, plastic, tile. Arbor tilts for angle cuts. Will cut a 2x4 at 45° angle. Micrometer controls for exact adjustments. ½-hp, 3450-rpm motor. Aluminum table, 14x10½". With two 7x24" table extensions, miter gauge, rip fence, safety blade guard with splitter. 17½x13x17". For 110 V, 60 Hz AC. Shpg. wt., 29 lbs.

26 B 2395 K. \$5 Monthly. . . . 79.95

Bench-Style Drill Press

\$89⁹⁵

\$5 monthly

Complete With ½-hp Motor

Performs drilling, shaping, plug cutting. Has ½"-capacity key chuck. Aluminum work table has side ledges and slots. Quick-set depth control for fast, accurate settings. Enclosed ½-hp motor with housing for thermal-updraft cooling. Speeds: 800, 1750 and 4000 rpm. Column to center of cutting tool, 5½"; spindle travel, 3". Drills to ½" dia. in cast iron. Table, 7¾x11". Overall, 26½x8x11½". 110-120 VAC. 33 lbs.

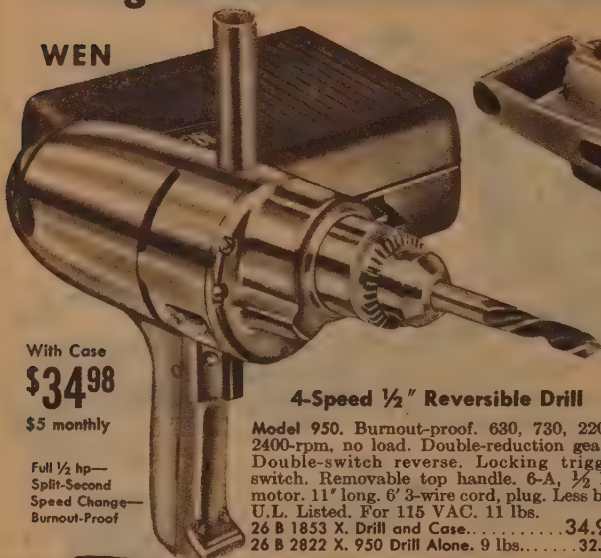
26 B 2399 K. \$5 Monthly. . . . 89.95



Equip Your Shop Now With Allied's Credit Fund Plan

Big Values in Power Drills for Every Need

WEN



With Case
\$34.98
\$5 monthly

Full 1/2 hp—
Split-Second
Speed Change—
Burnout-Proof

4-Speed 1/2" Reversible Drill

Model 950. Burnout-proof. 630, 730, 2200, 2400-rpm, no load. Double-reduction gears. Double-switch reverse. Locking trigger switch. Removable top handle. 6-A, 1/2 hp motor. 11" long. 6' 3-wire cord, plug. Less bit. U.L. Listed. For 115 VAC. 11 lbs.
26 B 1853 X. Drill and Case..... 34.98
26 B 2822 X. 950 Drill Alone. 9 lbs..... 32.97

THOR



Get Outstanding
Drilling Power
and Performance
with This Heavy-
Duty 1/2-hp Drill

1/2" Reversible Drill

\$29.95 • Burnout Protected
• Reversing Switch
\$5 monthly • 115 VAC or DC

Model 915R. Ball-bearing construction for rugged use. Powerful 650-rpm (no load). Therm-O-Weld motor is burnout-protected. Rated 4-A, 1/2 hp. Drills 1/2" in steel, 1" in hardwood. Reversing switch. 14 1/2" long. 6' 3-wire cord with plug. Less bit. 115 V, AC-DC. U.L. Listed. 8 1/2 lbs.
26 B 3662. \$5 Monthly..... 29.95



3/8" DRILLS

\$19.99
\$5 monthly



BLACK & DECKER

\$13.99

3/8" Ball-Bearing Variable Speed Drill

[A] Model 912-VSC. Fingertip continuous speed control from 0-1900 rpm. Powerful 3-amp Therm-O-Weld motor won't burn out. Ball-bearing construction. Drills 3/8" in steel, 3/4" in hardwood. 8 1/2" long. 6' 3-wire cord with plug. Less bit. U.L. Listed. 115 V, 25-60 Hz, AC.
26 B 3164. Shpg. wt., 4 3/4 lbs. \$5 Monthly..... 19.99

Low-Cost Powerful 3/8" Drill

[B] Model U-124. Full-capacity 3/8" drill; ideal for the home craftsman. Rugged double-reduction gears. Drills metal, plastic, or wood. Capacity, 3/8" in steel, 3/4" in hardwood. 1000-rpm 1/7-hp motor rated 2 amps (no load). 8 1/2" long. Less bit. U.L. Listed. 115 VAC. 3 3/4 lbs.
26 B 2518..... 13.99



1/4" DRILLS

\$12.99



BLACK & DECKER

\$9.99

Deluxe 1/4" 2-Speed Drill

[C] Model 9742. Powerful 2-amp series motor, double-reduction gears, multiple-thrust bearings. Oil-retaining bronze-type bearings. Two-speed locking trigger; 2000 or 1500 rpm (no load). Mirror finish. 8 1/2" long. 6' cord, plug. Less bit. U.L. Listed. 110-120 V, 60 Hz AC.
26 B 3661. Shpg. wt., 3 1/2 lbs..... 12.99

1/4" Drill for Household Use

[D] Model U-100. Low-cost 1/4" drill for home and hobby use. Drills steel, wood, masonry. Cap. 1/4" in steel, 1/2" in hardwood. Powerful 2250 (no load) rpm, 1/7-hp motor rated 1.9 amps. Automatic trigger release switch. Jacobs chuck, key. 8 1/2" long. Less bit. U.L. Listed. 115 VAC.
26 B 2517. Shpg. wt., 3 3/4 lbs..... 9.99



Skil Exclusive Drive-R-Drill with Trigger Speed Control

Save \$7.45 . . . Buy Skil's Exclusive
Drive-R-Drill and Get 18-pc. Accessory
Kit with Drills, Drivers, and Storage
Case for Only \$6.00 More

Reverse
Switch

Speed
Trigger

**1/4" Drill
with Kit
and Case**
\$32⁸⁸

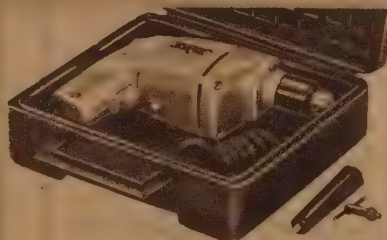
\$5 monthly

**3/8" Drill
with Kit
and Case**
\$39⁸⁸

\$5 monthly

**1/2" Drill
with Kit
and Case**
\$43⁸⁸

\$5 monthly



Drills ceramic tile



Re-threads screw holes



Assembles furniture



Polishes car, furniture



Sands wood, metal



Drives self-tapping screws

Reversible Drive-R-Drill and Unique Tool Kit Save Time and Work

Remarkable Drive-R-Drill with Trigger Speed Control and special kit of tools and case. The perfect all-purpose drill outfit. Operates in forward or reverse at any speed up to 2000 rpm. It's a power drill, a power wrench, an electric screwdriver, a sander, and a buffer. With it, you can drill and thread holes in metal, or drill in any other material—even glass; tighten or remove nuts and bolts; drive in or remove screws; or polish, sand, or grind, and do hundreds of other jobs. No matter what the job, you can probably do it faster and easier with this versatile power tool. So lightweight and compact—handling it is a breeze. Just squeeze the trigger to select your speed—the harder you squeeze, the higher the speed. Direction and speed controls are together for easy finger-operation. 1/4" has 2.5-amp motor;

3/8" and 1/2" have 3-amp motor. Speed ranges: 1/4"—0-2000 rpm; 3/8"—0-1000 rpm; 1/2"—0-750 rpm. Outfits include 6' 3-wire cord, plug. Less bit. Accessory kit includes screwdrivers, nutdrivers, drill bits. U.L. Listed. 115-V, 50-60 Hz AC.

26 B 1776. 1/4" Drill, Case, Accessory Kit. 6 lbs.	32.88
26 B 1779. 3/8" Drill, Case, Accessory Kit. 6 1/2 lbs.	39.88
26 B 1792. 1/2" Drill, Case, Accessory Kit. 6 1/2 lbs.	43.88
26 B 3161. 1/4" Drill Alone. 4 lbs. \$5 Monthly	26.88
26 B 3162. 3/8" Drill Alone. 4 1/2 lbs. \$5 Monthly	33.88
26 B 3163. 1/2" Drill Alone. 4 1/2 lbs. \$5 Monthly	37.88
26 B 3115. Drill Case Alone. Shpg. wt., 1 lb.	4.95
26 B 3116. Accessory Kit Alone. Shpg. wt., 1 lb.	8.50

Electric Screwdriver and Power Drill Kits

SHOPMATE Electric Screwdriver

\$29⁹⁵

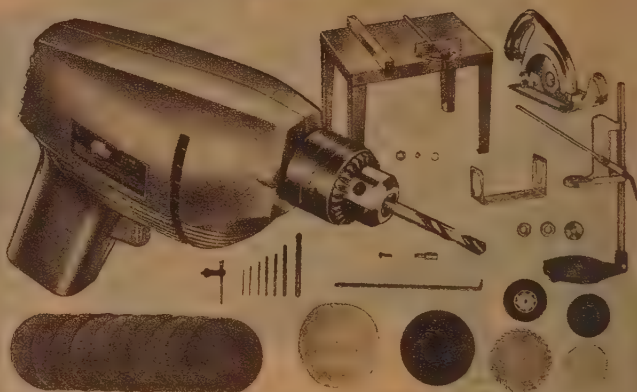
\$5 monthly



Deluxe Reversible Screwdriver

- Drives Both Slotted and Phillips Screws
- High-Torque 100-to-1 Gear Reduction
- Self-Lubricating Bronze Bearings

Model 1895. Zips screws in or out, with ease. "Lifeweld" 3-amp motor with clutch action. Ball thrust and bronze bearings. Reversing switch. No load, 325 rpm. Uses any 1/4" hex shank bit. 8 1/2" long. With 2 slotted bits with "head finders" and Phillips bit. 3-wire cord, plug. U.L. Listed. 110-120 V, 25-60 Hz AC. Wt., 3 1/4 lbs.
26 B 1200. \$5 Monthly **29.95**



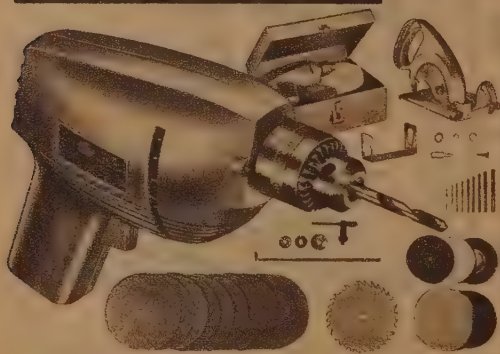
THOR 44-Piece Variable-Speed 3/8" Drill Kit

\$39⁹⁵

\$5 monthly

- Complete Power Workshop in One Outfit
- 3-Amp "Therm-O-Weld" Motor Resists Burnout
- Precision Ball-Bearing Construction

Gives you the versatility of a complete power shop: drill press, circular saw, bench saw, and sander-buffer-grinder in one outfit. Includes: 3/8" Thor Model 912VSC drill with continuously variable speed from 0 to 1900 rpm, 7 drill bits (1/16 to 3/8"), 10 sanding discs, 5" rubber backing pad, 5" polishing bonnet, adapter hdwe., 3" wire brush, horiz. mtg. stand, circular saw attachment, 4 1/2" saw blade, 3" grinding wheel, drill press stand, saw table, rip fence, miter, steel paint stirrer, and chuck key. 6-ft. 3-wire cord, plug. 2-wire adapter. U.L. and C.S.A. Listed. For 110-120 V, 25-60 Hz AC. Shpg. wt., 20 lbs.
26 B 2319 X. \$5 Monthly **39.95**



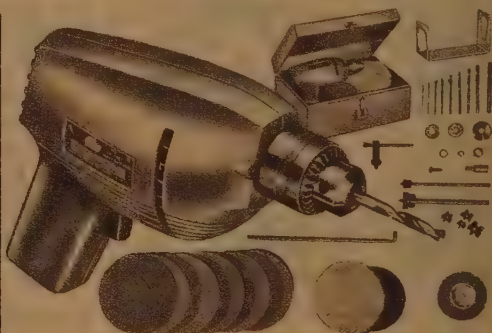
THOR 41-Piece 3/8" Single-Speed Drill Kit

\$19⁹⁵

\$5 monthly

- Dozens of Uses in the Home or Shop
- Burnout-Proof 3-Amp Motor
- Heavy-Duty Ball Bearing Construction

Offers dozens of uses, around the home or on the job. Outfit features 3/8" Thor 912 drill with 1900 rpm no-load speed. Motor won't burnout—leads are welded to commutator bar. Long-lasting metallic Beige finish. Outfit includes: 9 drill bits, 10 assorted grit sanding discs, 5" rubber backing pad, 5" lambswool polishing bonnet, adapter hdwe., 3" cloth buffing wheel, 3" scratch wire brush, horiz. bench mtg. stand, steel paint mixer, circular saw attachment and blade, chuck key and carrying case. U.L. and C.S.A. Listed. For 110-120 V, 25-60 Hz AC.
26 B 2282. Shpg. wt., 8 lbs. \$5 Monthly **19.95**



THOR 33-Piece Variable-Speed 3/8" Drill Kit

\$29⁹⁵

\$5 monthly

- Brawny 3-Amp Motor Resists Burnout
- Precision Ball-Bearing Drill Construction
- Horizontal Drill Stand, Metal Carrying Case

Handy outfit features powerful 3/8" drill with fingertip speed control from full stop to 1900 rpm, no load. Motor resists burnout or overheat. Drill cuts 3/8" dia. holes in steel, 3/4" holes in wood. Beige epoxy finish. Kit includes: 8-pe. wood auger bit set (3/8 to 1"), 7 drill bits (1/16 to 3/8"), ten 5" sanding discs, 5" lambswool polishing bonnet, 5" rubber backing pad, arbor set, paint mixer, horizontal mounting stand, 3" scratch wire brush, chuck key and rugged metal carrying case. U.L., C.S.A. Listed. For 110-120 V, 25-60 Hz AC. Shpg. wt., 15 lbs.
26 B 3111 X. \$5 Monthly **29.95**

DREMEL Electric Tools for Hobbyists

Accessories to Make Your Moto-Tool More Versatile



A #223 Universal Stand

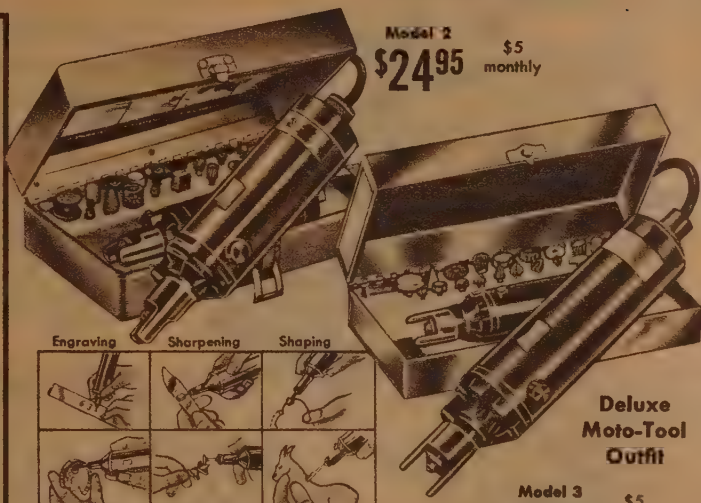
Leaves both hands free, can be set at any angle. Quick-action clamp on heavy cast-iron base will not tip. Shpg. wt., 2½ lbs.
26 B 2480.....6.95

B #224 Shaping Table

For use with stand above for routing, grinding, and drilling. Can be raised or lowered to adjust depth of cut. Shpg. wt., 8 oz.
26 B 2485.....3.95

C #225 Drill Press

For precision drilling and routing. Table is adjustable, can be raised or lowered, and locks in position. Sturdy steel construction. 12" high. Shpg. wt., 3 lbs.
26 B 2491.....12.95



Model 2
\$24.95 \$5 monthly



Deluxe Moto-Tool Outfit

Model 3
\$29.95 \$5 monthly

Model 2 Moto-Tool Kit

Lightweight and portable, hundreds of uses. Ideal for the hobbyist or professional. Kit includes: Model 221 Moto-Tool with 0.5 amp motor, wrenchless chuck, oilless bearing, and oversized armature shaft; 3 collets ¼, ⅜, ½"; finger grip, 4 emery wheel points, dressing stone, 8 high speed steel carving cutters, high-speed steel saw; 3 bristle brushes; steel brush; shoulder mandrel with felt wheel; ½" drum sander; metal carrying case. Shockproof bakelite housing. 3-wire cord, plug. U.L. Listed. 110-120 V, AC-DC. Shpg. wt., 4 lbs.
26 B 1436. \$5 Monthly.....24.95
Model 221 Moto-Tool Alone. 3 lbs.
26 B 1598.....18.95

Model 3 Moto-Tool Kit

Heavy-duty 0.9-A motor for more demanding jobs; production deburring, grinding, routing, polishing of dies, molds, model, pattern making. Develops 27,000 rpm, sustains high torque even under heavy load. High-velocity cooling fan keeps motor from heating under normal continuous operating conditions. Dynamic balancing for vibration-free precision grinding. Same accessories as kit at left. Shockproof bakelite housing, 7½" long. 3-wire cord, plug for operating safety. U.L. Listed. For 110-120 V, 60 Hz AC-DC. Shpg. wt., 4 lbs.
26 B 2213. \$5 Monthly.....29.95
Model 3 Moto-Tool Alone. 3½ lbs.
26 B 2265. \$5 Monthly.....23.95

Complete Multi-Purpose Power Workshop

Deluxe Model 57 Moto-Shop

\$39.95

- Unique Power Takeoff
- 5 Multi-Purpose Tools in One
- Ball-Bearing Rotary Motor

Versatile Moto-Shop operates five different tools with unique power take-off. With attachments connected, 15" jigsaw becomes disc-sander, bench grinder, buffing wheel or flexible shaft machine. Powered by ball-bearing 3450-rpm rotary motor. Jigsaw has 4 blades, each adapts in 3 directions. Table tilts for angle cuts. Lightweight flexible-shaft handpiece has ¼ to ½" capacity. With finger guard, 12 bits for drilling, grinding, routing, sharpening, deburring, carving. Attachments: rubber backing pad, 3 sanding discs, grinder, buffer, wire brush, wheel guard, polishing stick. U.L. Listed. For 110-120 V, 60 Hz AC. Shpg. wt., 17 lbs.
26 B 1834 X. \$5 Monthly.....39.95



Famous-Name Circular Saws

Black & Decker 7 1/4" Portable Saw Develops 1 Horsepower

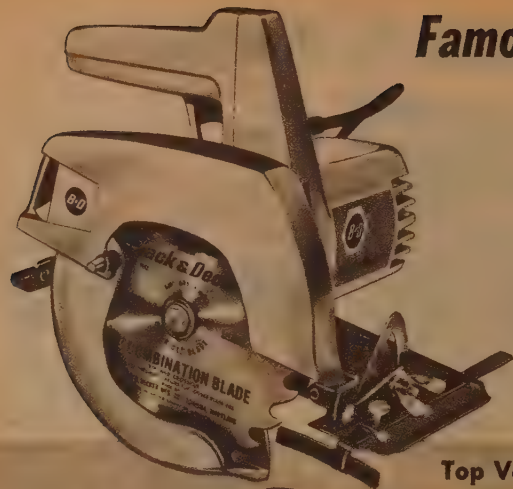
\$2999

\$5 monthly

- Deluxe Features at a Low Price
- Extra-Wide Guard
- Sawdust Ejector
- Calibrated Rip Fence
- 9-Amp-Motor

U-130. Tackles a variety of home repair and construction jobs with ease. Features an extra-wide non-binding telescoping blade guard. Takes either a 6 1/2" or 7 1/4" blade. Sawdust ejector keeps work clear. Powerful 1-hp, 9-amp motor runs at 4400 rpm, no load. Cutting depth: 2 3/8" at 90°, 1 7/8" at 45°. Calibrated rip fence; bevel and depth adjustments. 3-wire cord. For 110-120 VAC. With 7 1/4" combination blade and wrench. Shpg. wt., 16 lbs.
26 B 3604 X. \$5 Monthly.....29.99

Top Values in Powerful Skilsaws



Handy All-Around 6 1/2" Saw

534. Burnout-protected 9-amp motor develops over 1 1/4 hp for big or small jobs. Capacity 1 1/8" to 2 3/8" at 90°; 1 3/4" at 45°. No-load, 6300 rpm. Safety clutch; depth, bevel controls; sawdust ejector; bind-free guard. 115 VAC. 3-wire cord. Blade, wrench. 9 lbs.
26 B 1207 X. \$5 Monthly.....27.88



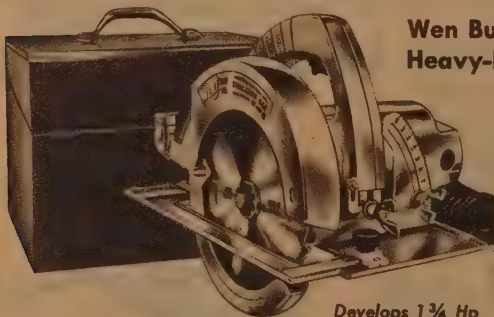
Super-Value 1 1/2-Hp 7 1/4" Saw

574. Cuts even soft metal. Powerful 1 1/2-hp burnout-protected motor (10 amps, 5200 rpm, no load). Cut depth, 2 3/8" at 90°; 1 7/8" at 45°. Safety-stop brushes, anti-friction bearings. 1 1/2" long. 115 VAC. 3-wire cord. Blade, wrench. Wt., 12 1/2 lbs.
26 B 3019 X. \$5 Monthly.....29.88



Deluxe Heavy-Duty 7 1/4" Saw

537. Develops over 1 1/2 hp, 10 amps. Heavy-duty quadrant and ribbed shoe for rigidity. Capacity: 1 1/8" to 2 3/8" at 90°; 1 7/8" at 45°. No-load, 5150 rpm. Safety clutch; depth, bevel controls; ejector. 115 VAC. 3-wire cord. Blade, wrench. 16 1/4 lbs.
26 B 1208 X. \$5 Monthly.....39.88



Wen Builder's 7 1/4" Heavy-Duty Saw

Develops 1 3/4 Hp

With Case

\$3498

\$5 monthly

960. Extra-rugged saw takes on construction and repair jobs. Powerful 1 3/4 hp, 10-amp motor gives no-load speed of 5200 rpm. Depth of cut: to 2 1/2" at 90°, 1 7/8" at 45°. Lifetime-lubricated sleeve and needle bearings, heavy-duty precision gears, heavy-gauge baseplate, chip ejector port. Depth and bevel controls, rip guide, removable shoe extension. For 110-120 V, 50-60 Hz AC. 3-wire cord. With 7 1/4" combination blade, wrench, steel case. Shpg. wt., 17 lbs.
26 B 2393 X. With Case. \$5 Monthly.....34.98
26 B 2394 X. Saw Alone. Shpg. wt., 15 1/4 lbs.....32.97



\$2495

\$5 monthly

Shop-Craft 7" Power Saw

Budget-priced workhorse is safe and easy to handle. Extra capacity—cuts 2x4's at 45°. 9 amp, 1 1/2-hp motor runs at 5000 rpm, no load; has 5/8" arbor. Max. cut depth, 2 1/8" at 90°; 2 3/8" at 45°. Overload clutch, sawdust ejection chute, floating blade guard. With combination blade, rip guide, wrench. 3-wire cord. U.L. Listed. 117 VAC.
26 B 2396 X. Wt., 12 lbs.....24.95

Jigsaws, Router, Planer

Black & Decker Versatile Jigsaws



\$17.77

Low-Cost Jigsaw

U-153. Makes straight, curved and scroll cuts in wood, metal or plastic. Capacity, 1" hardwood or 1½" softwood. 1/7 hp, 2.4-amp motor gives 3000 strokes per minute; stroke length, ⅝". With rough woodcutting blade, wrench. 115 VAC. Wt., 6¼ lbs. 26 B 2349. \$6 Monthly.....17.77



\$29.99

\$5 monthly

Deluxe 2-Speed Jigsaw

U-255. Versatile saw operates at Hi speed of 3000 strokes/minute for wood, Lo of 2500 for soft metal. Cuts 1" hardwood, 2" softwood. Rugged ¼ hp, 2.5 amp motor. Stroke length, ⅝". Includes two woodcutting blades and blade pouch. 115 VAC. Wt., 5¾ lbs. 26 B 3606. \$5 Monthly.....29.99



\$39.99

\$5 monthly

Super Deluxe 3-Speed Jigsaw

U-256. Choose 3000 strokes/minute for wood, 2500 for soft metal, 2250 for plastic, hard metal. Cuts 1" hardwood, 2" softwood. ¼-hp, 2.5-amp motor. ⅝" stroke. Bevel adjustment, shoe insert, rip fence, circle cutter. 115 VAC. With 4 blades. 5¾ lbs. 26 B 3157 X. \$5 Monthly.....39.99



With Case
\$34.98

\$5 monthly

Wen 2-Speed 1/3-Hp "Zipp Saw"

920D. Extra-safe saw can be held with one hand. Switch selects right speed for metal or wood—3200/2400 strokes/min. Zips through a 6" log, cuts a 4x4 at 45° angle, saws through walls. Ideal for metal, scroll and edge cuts, awkward spots. 4¼ amps. 115 VAC. 7 blades, tool box. 26 B 2361 X. With Case. 9 lbs. \$5 Monthly.....34.98
26 B 3607 X. Saw Alone. Wt., 6¼ lbs.....32.97



With Case

\$34.98

\$5 monthly

Wen 2-Speed 1/2-Hp "All Saw"

909D. Fast-cutting ½-hp saw does the work of all other types. Cuts wood 6x6's, metal to ½", pipe to 2"—curved or straight. Makes its own starting hole. 6 amp motor; 3400 or 2400 one-inch strokes/minute. Fan keeps guide clean. 115 VAC. U.L. Listed. With 7 blades, steel case. 26 B 3608 X. With Case. Wt., 10 lbs. \$5 Monthly.....34.98
26 B 3273 X. Saw Alone. Wt., 9 lbs.....32.97

Double-Insulated Router by Rockwell

Model 64. Double-insulated for complete safety. Ideal for intricate routing. Compact and lightweight, with large dual knobs for positive, non-tiring control. Designed for safety and endurance, with rugged ½ hp, 28,000-rpm motor; ball-bearing construction; depth control; ¼" collet. For 115 V, 60 Hz AC. Wt., 10 lbs. 26 B 2374 X.....39.99

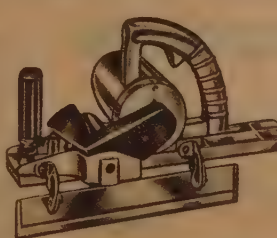


\$39.99

\$5 monthly

Wen Heavy-Duty Power Planer

930. For professional, precision edges, surfaces and miters. Burnout-proof, 6-amp motor develops ½ hp. Two replaceable cutters are separately adjustable; cut path to 2¼" wide, ⅛" deep. Miter guide adjusts to 45°; 16" shoe. No-load, 14,500 rpm. 7½x7x16". U.L. and C.S.A. Listed. For 110-120 VAC. Shpg. wt., 9¼ lbs. 26 B 2091 X.....32.97



\$32.97

\$5 monthly

Top Values in Electric Sanders



Wen Dual-Speed 7" Sander/Polisher

With Case

\$34⁹⁸

\$5 monthly

- Burnout-Proof 1/2-hp Motor
- Lightweight, Perfect Balance
- For Fast and Efficient Sanding, Polishing, Buffing

940. Oversize sanding discs do quick work on metal, wood or plastic, give professional results in auto sanding and paint removal. Large wool bonnets for waxing and polishing floors, car, furniture. Electronically switches to 3400 rpm for sanding, 1800 rpm for polishing and buffing. Burnout-proof armature, needle-point bearings, all-gear construction. Auxiliary handle mounts on either side. 1/2-hp, 6-amp motor. 14 5/8" x 3 1/2". U.L. and C.S.A. Listed. 6', 3-wire cord. Two sanding discs, polishing bonnet, steel case. 115 VAC. 26 B 3641 X. With Case. Shpg. wt., 12 lbs. 34.98 26 B 2406. Sander Alone. 8 1/2 lbs. 32.97



(A)

1-Speed

\$49⁹⁹

\$5 monthly

(B)

2-Speed

\$59⁹⁹

\$5 monthly

Black & Decker Heavy-Duty 3x24" Belt Sanders

(A) U-144. Compact gear-driven sander goes into tight areas, gives smooth professional finish. Has 3/8 hp, 5.2 amp motor between pulleys—no tilting or rocking. Belt moves at 1200 sq. ft./minute; 13.8 sq. ft. sanding area. Front controls for easy belt installation. For 115 VAC.

26 B 3645 X. Shpg. wt., 10 3/4 lbs. \$5 Monthly. 49.99

(B) U-244 Two-Speed. Choose the right speed for every job—1250 sq. ft./minute for fast material removal, or 1050 sq. ft./minute for smoother finish. Has 3/4 hp, 5.7 amp motor. For 115 VAC. Shpg. wt., 10 3/4 lbs.

26 B 3646 X. \$5 Monthly. 59.99

26 B 3647. Zippered Dust Bag and Housing. For U-144 and U-244 sanders. Powered by sander motor. Wt., 2 lbs. 6.95



Orbital Finishing Sander

Black and Decker U-140. Allows one-hand operation with complete control. Ideal for furniture refinishing and similar applications requiring fast, smooth orbital action. Flush-sands on three sides, has over 32 sq. in. sanding area. Takes 3" x 9" sandpaper; easy sandpaper changing. Has 1/2 hp, 2.2 amp motor that operates at 4000 orbits per minute. Polished aluminum housing. U.L. Listed. For 115 volts AC. Shpg. wt., 5 1/2 lbs.

26 B 3649. \$5 Monthly. 19.99

\$19⁹⁹

monthly



With Case **\$34⁹⁸**

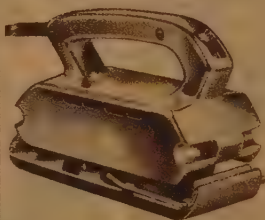
\$5 monthly

Wen 3" Belt Sander

910. Handles the toughest sanding jobs with ease. Continuous 3" belt moves at 850 sq. ft. per minute; can be changed in seconds. Powerful 1/2-hp, 4 1/4 amp motor is industrially rated. Air blast keeps dust away. Weighs only 7 lbs. 5 3/4" x 10 1/2" x 5 1/2". Includes three sanding belts and steel carrying case. For 110-120 VAC. 12 lbs.

26 B 3642 X. With Case. \$5 Monthly. 34.98

26 B 3643. Sander Alone. 8 3/4 lbs. 32.97



Easy to Use for
Fast Removal and
Smooth Finish

\$10⁹⁵

Wen Straight-Line Vibrator Sander

Model 310. Straight-line action of 7200 3/8" strokes per minute with 26 sq. in. sanding area. Solid-state control. Quiet and smooth—no whip or bounce. 7 1/2" x 3 3/8" x 4 3/4". For 110-120 volts, 50-60 Hz.

26 B 3644. Wt., 4 lbs. 10.95

Paint Sprayers and Shop Vacuum Cleaners

\$49⁹⁵

\$5 monthly



Fan-Nozzled
Gun Gives
Perfect Results

\$29⁹⁵

\$5 monthly

Multi-Purpose Electric Sprayer Outfits

A "Bantam 205" Spray Outfit. Compact household sprayer can be used for insecticides, carpet cleaning, mothproofing, as well as painting. Reliable oil-less piston operation with portable compressor only 7" long. Internal mix gun handles all lightweight spray materials. For 115 V, 60 Hz AC.
26 B 3640 X. Shpg. wt., 12 lbs. \$19.95

B 1/2-hp Spray Outfit. Sprays all paints, lacquers, enamels, household liquids. Gun has 1-quart cup, internal and external-mix nozzles. Oilless compressor has 1000-hour diaphragm, sealed ball bearings, easily removable air filter, safety valve. Siphon or pressure feed. Air delivery, 2 1/2 cfm. Lifetime-lubricated motor; 15' hose. U.L. Listed. For 115 V, 60 Hz AC.
26 B 3100 K. Shpg. wt., 30 lbs. \$5 Monthly. \$49.95

C "Compact" Spray Outfit. Internal mix gun sprays enamel, flat, oil and water-base paint, varnish, household liquids. Pint cup, adjustable trigger, 8' detachable hose. Oil-free compressor has heat-resisting diaphragm and replaceable air filter. Quiet running; never needs oiling. Direct-drive motor. Air delivery 1.1 cfm. U.L. Listed. For 115 V, 60 Hz AC.
26 B 2363 X. Shpg. wt., 17 lbs. \$5 Monthly. \$29.95

Burgess Electric Sprayer

\$11⁹⁵ • Lightweight, Hand-Held
• Covers Fast and Evenly

Handy low-cost, portable unit sprays varnish, enamel, lacquer, shellac, garden sprays, insecticides, weed killers, and mothproofers. Features built-in pump and motor and 2 genuine sapphire nozzles. Makes painting and other jobs fast. Can be cleaned in about 3 seconds. Corrosion-proofed. For 110-120 volts, 60 Hz AC. Shpg. wt., 4 1/2 lbs.
26 B 1715. \$11.95



Hobbyist Air Brush Sprayer

\$24⁹⁵

\$5 monthly

Perfect tool for shading, silhouetting, stencils, touch-up. Ideal for hobby and model use, ceramics, sign painting. Includes compressor with air hose, shading brush with 2 nozzles, storage jars. 110-120 VAC. 6 lbs.
26 B 3639 X. \$24.95



Shop-Vac Portable Vacuums for Rough and Tough Cleaning

For Home,
Garage,
Shop, Patio



"Shop Vac" Vacuum Cleaners

5-Gallon

\$26⁹⁵

\$5 monthly

10-Gallon

\$29⁹⁵

\$5 monthly

D 5-Gallon, 3/4-hp Model. Does the rough clean-up jobs that would ruin an ordinary vacuum cleaner. Hose has big 2 1/2" diameter, compared to 1 1/4" for most home vacuums. 6" nozzle picks up sawdust, chips, sticks, stones. Attaches to power tools for chip removal.

Motor is located near top of drum—debris drops out of the air-flow pattern to bottom of the drum, prevents debris from impeding vacuum's air-flow and efficiency. Easily emptied by unclamping top.

Carrying handle, 6-ft. hose, 3/4-hp motor. 2-wire cord. Drum finished in glossy gray enamel. 18" high, 12" dia. U.L. Listed. For 110-120 volts, 50-60 Hz AC. Shpg. wt., 17 lbs.
26 B 2515 X. \$5 Monthly. \$26.95

E 10-Gallon, 1-hp Model. Has steel drum 19" high, 15" dia. Shpg. wt., 20 lbs.
26 B 3101 X. \$5 Monthly. \$29.95

F Dolly with Casters for Above Cleaners.
26 B 3104 X. For 5-Gal. 10 oz. \$3.39
26 B 3105 X. For 10-Gallon. 2 lbs. \$3.39

G 26 B 3103 X. Accessory Kit. Extra-long 14" floor nozzle with brush, 30" extension handle, conversion coupler. 3 lbs. \$9.95
26 B 3636 X. 6' Hose Extension. 1 1/2 lbs. \$6.95
26 B 3637. Crevice Tool. 8 oz. \$3.75
26 B 3638. Paper Filter Bags. 4 oz. Pkg. 5/98¢

Gas and Arc Welding Outfits



Complete Gas Welding Outfit for Home or Shop **\$89⁹⁵**
\$5 monthly

Turner Oxyacetylene/Propane Welding and Cutting Outfit

Everything needed for expert welding, cutting, brazing, soldering or heating. Welds metal up to $\frac{1}{4}$ " thick; cuts metal up to 1" thick. Professionally rated, single-stage oxyacetylene outfit includes: torch handle and mixer assembly; oxygen regulator; regulator for acetylene or propane; three welding tips—Nos. 1, 5, 8; cutting attachment; cutting tip; welding goggles; spark lighter; 20-ft. of Duo-Weld hose; and all fittings and adapters required. Needs only oxygen and acetylene or propane cylinder. Wt., 20 lbs.

26 B 3634 Z. \$5 Monthly. 89.95



Low As

\$15⁹⁶

Microflame Miniature Torch

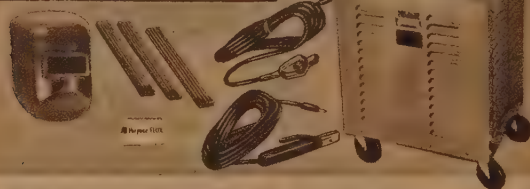
Welds, Brazes, Cuts Most Metals

Self-contained torch uses miniature oxygen and LP cylinders, gives over 5000° F. $5\frac{1}{4} \times 2 \times 1\frac{1}{4}$ ". 3 tips, torch tube, gaskets, 2 oxygen and 1 butane cylinders, instructions, all in plastic box. 1 lb.

26 B 3275. 1-5. Each 17.95
6-Up. Each 15.96
26 B 3276. Oxygen Cylinder. Ea. .75
2-5. Ea. .70 6-Up. Ea. .60
26 B 3277. Butane Cylinder. Ea. .50
2-5. Ea. .45 6-Up. Ea. .40

Trindl Arc-Welding Outfits with Continuous Duty Cycle

Complete 180-Amp Outfit **\$129⁹⁵**
\$7 monthly



Heavy-Duty 180-Amp Welding Outfit

- Welds Metal to 1" Thick • $\frac{1}{8}$ " to $\frac{3}{16}$ " Electrodes
- 16 Instant-Heat Stages—from 40 to 180 Amps
- 60 Primary Amps • 79% Power Factor

180A-3C7. Our finest industrial welder gives outstanding performance for auto, production and farm use. Features heavy-duty transformer and extra-stable arc. 25-30 arc volts. Dual-coil design; special insulation. Continuous operation with 30% duty cycle. Includes head shield; electrode holder; electrodes; welding, ground, power cables; ground clamp; 3-prong plugs; instructions. $25\frac{1}{2} \times 16 \times 11\frac{1}{2}$ ". For 110/230 V, 50-60 Hz AC.

26 B 3635 Z. Wt., 90 lbs. \$7 Monthly. 129.95

Complete 125-Amp Outfit **\$99⁹⁵**
\$5 monthly



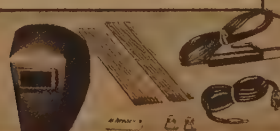
Heavy-Duty 125-Amp Welding Outfit

- Handles $\frac{1}{8}$ " to $\frac{3}{16}$ " Rods on Metal to $\frac{1}{2}$ " Thick
- 16 Instant-Heat Stages from 20 to 125 Amps
- 35 Primary Amps • 75% Power Factor

125A-11A5. Heavy-duty outfit for fast production and maintenance work. Dual-coil construction. Has continuous manual duty cycle. Includes head shield; welding, ground and power cables; asstd. electrodes; electrode holder; ground clamp; 3-prong plugs; easy instructions. 25-30 arc volts. Welded metal cabinet in gray heat-resistant enamel. $12\frac{1}{2} \times 16 \times 11\frac{1}{2}$ ". For 115 V, 50-60 Hz AC.

26 B 1115 Z. Wt., 82 lbs. \$5 Monthly. 99.95

Complete 80-Amp Outfit **\$69⁹⁵**
\$5 monthly



Complete 80-Amp Welding Outfit

- Handles $\frac{1}{8}$ " to $\frac{3}{16}$ " Rods on Metal to $\frac{1}{4}$ " Thick
- 9 Heat Stages—20 to 80 Amps • 25 Arc Volts
- 29 Primary Amps • 80% Power Factor

80A-11A4. Portable, industrial-type outfit with dual-coil design. Continuous duty. Includes head shield; ground, power, welding cables; electrode holder; asstd. electrodes; ground clamp; 3-prong plugs; instructions. Welded metal cabinet in gray. $9\frac{1}{2} \times 12\frac{1}{2} \times 9\frac{1}{2}$ ". For 115 V, 50-60 Hz AC.

26 B 1116 U. Wt., 39 lbs. \$5 Monthly. 69.95
26 B 1576 X. D-17 Carbon Arc Torch. Maintains 9000° F arc. For all models. 4 lbs. 17.95

Weller and Wen Soldering Tools



Complete Kit

\$975

Weller Dual-Heat 240/325-Watt Soldering Kit

Model D550PK. Heavy-duty kit includes: Weller D550 U.L. Listed 240/325 dual-watt soldering gun; 3 tips—soldering, cutting, smoothing; case; wrench; solder; instructions. Two trigger positions provide two temperatures; switch instantly to heat suited for job. Copper tips, dual spotlights. For 120-120 V, 60 Hz AC.

26 B 2057. Wt., 5½ lbs. \$9.75

26 B 1496. Model D550 Solder Gun Alone. Shpg. wt., 4 lbs. \$8.25



Complete Kit **\$588**

Weller Dual-Heat 100/140-Watt Solder Kit

Model 8200 PK. Economical soldering kit provides everything you need for fast and easy soldering. Includes: Weller 8200 U.L. Listed 100/140-watt dual-heat "Expert" soldering gun; hi-impact plastic case; three (2 spare) soldering tips; wrench; brush; solder-aid tool; solder; instructions. Compact, balanced gun. Copper tips for high heat transfer. Spotlight illuminates work. For 110-120 V, 60 Hz AC.

26 B 2059. Shpg. wt., 2½ lbs. \$5.88

26 B 2058. 8200 Gun Alone. 2 lbs. \$5.20

- 100 or 140 Watts
- 3 Copper Tips
- Solder • Solder Aids

Weller Tips, Accessories

Versatile Accessory Tips. 3 oz.

Stock No.	Type	Descrip.	For Models	EA.
26 B 1516	6110	Cutting	WS-100, WD-135, S-400, D-440	.49
26 B 1517	6120	Smoothing	8100 (B), 8200	.49
26 B 1518	6130	Cutting	WS-200, S-500	.49
26 B 1521	6140	Smoothing	D-550, 8250A	.49

Replacement Tips. 2 per pkg. 3 oz.

Stock No.	Type	Use With Models	PKG.
26 B 1476	7135	WS-100, WD-135, S-400, D-440, 8200	.49
26 B 1475	7250	WS-200, WD-250, S-500, D-550, 8250A	.49
26 B 1477	7300	S-107, D-207. Not interchangeable with above.	.49
26 B 1209	8125-8100B, 8200		.49

Replacement Parts. Type 7325 and 7417 are nuts for connecting tips to gun. 7324 is trigger switch. 3 oz.

Stock No.	Type	Use With Models	EACH
26 B 1491	7325	D-440, S-440, 8100, 8100B, 8200	.15
26 B 1494	7417	D-550, S-500, 8250A	.15
26 B 1493	7324	All Dual-heat types	1.37

Wen Replacement Tips

For Models 450 and 222. Light duty, 25-100W; medium, 100-200W; heavy, 200-450W. *For Model 450 only. Shpg. wt., 2 oz.

Stock No.	Type	Tip	EA.
26 B 2675	45F7	Light-duty	.98
26 B 2676	45M7	Medium-duty	.98
26 B 2677	45A7	Heavy-duty*	.98
26 B 2678	45P57	Smoothing	.45
26 B 2679	45S57	Cutting	.45

For Model 75. Av. shpg. wt., 4 oz.

26 B 2029	75A7	Standard solder	.70
26 B 2031	75B7	Fine point	.70

Wen 25 to 450-Watt Soldering Kit

Complete Kit **\$1172**

Model 450K4. Economical, multi-purpose solder kit. Look at the extras: Includes Model 450 gun featuring Automatic Thermal Regulation for more heat-power on less current draw; three versatile tips—45F7 25-100 watt, 45M7 100-200 watt, 45A7 200-450 watt; solder; and shock-resistant plastic case. Offers three heat ranges depending on tip. Focused spotlight. 11" long with tip. 115 VAC.

26 B 3267. Wt., 5 lbs. \$11.72

26 B 2674. Model 450 Gun Alone. With 45 A 7 tip. 3 lbs. \$9.97



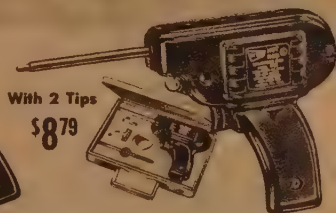
With "ATR"

\$364

Wen Low-Cost Soldering Pistol

Model 75. Gives heat of 100-watt device from peak surge of only 50 watts and normal draw of 30 watts—automatically. Instant heat. Heavy copper tip for repeated dressing down. Spotlight; single set-screw for tip. With std. tip. U.L. and C.S.A. Listed. For 110-120 V, 60 Hz AC.

26 B 2479. Wt., 1¼ lbs. \$3.64



With 2 Tips

\$879

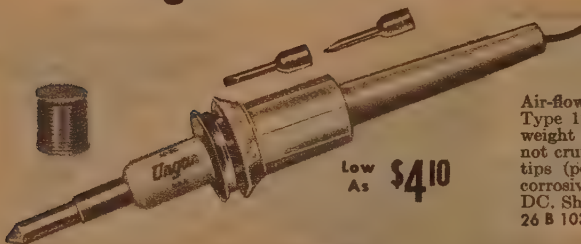
Wen Dual-Heat Soldering Kit

Model 222K5. Instant heat. Automatic Thermal Regulation. Two heat ranges depending on tip: 25-100 or 100-200 watts with tips included. Also has smoothing and cutting tips. Focused spotlight; 9¼" U.L. and C.S.A. Listed. 110-120 V, 60 Hz AC. Wt., 4 lbs.

26 B 1023 \$8.79

26 B 1022. Gun Alone. 2¼ lbs. \$5.83

Ungar "Standard Line" Soldering Tools

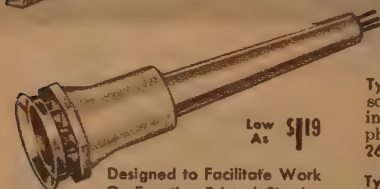


7070 "Technicians" Soldering Kit

Features Type 1237 High-Heating Unit and 777 Pastel-Colored Handle

Air-flow construction provides cooler grip. Kit contains: Type 1237 heating unit (37½ watts, 750-800° F.); light-weight Type 777 pastel-colored polypropylene handle (will not crumble or dust); 3 interchangeable, thread-on copper tips (pencil, chisel and pyramid); spool of 60/40 non-corrosive, rosin core solder. U.L. Listed. For 115 V, AC-DC. Shpg. wt., 1 lb.

26 B 1036 1-5 Each 4.36 6-Up Each 4.10



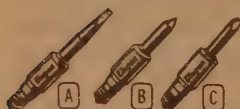
Balanced Fatigue-Free 776 and 777 Handles with Cord

Type 776 Handle. Accepts variety of thread-in elements and tips. Spring socket holds tip firmly—can't wobble or give. Ceramic and glass internal insulation. Stainless steel deflector. Cork grip and thermo-stabilized 5" phenolic body; vinyl-covered cord. U.L. Listed. Order element and tip, below. 26 B 1304. Shpg. wt., 4 oz. 1-9 Each 1.43 10-Up Each 1.19

Type 777 Handle. Same as 776 above, but made of pastel-colored polypropylene. Heat stabilized octagon-shaped grip is convection cooled. U.L. Listed. 26 B 1029. Shpg. wt., 4 oz. 1-9 Each 1.66 10-Up Each 1.39

Designed to Facilitate Work On Exacting Printed Circuits, Miniature and Subminiature Systems

Elements with Tips



For 776 and 777 Handles

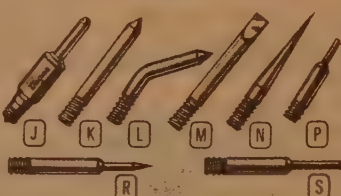
Fit 776 and 777 handles. 533, 536, 539, 1233, copper alloy tip; 1236 and 1239, silver-plated iron; 4033, 4036, 4039, silver-plated iron-clad copper alloy. U.L. Listed. 115 V, AC-DC. 2 oz.

Stock No.	Type	Fig.	Tip	EA.
26 B 1400	533	A	Chisel, 1½x¼"	1.35
26 B 1480	1236	B	Pyramid, 1½x¾"	1.35
26 B 1479	536	B	Chisel, 1½x¾"	1.35
26 B 1479	539	C	Chisel, 1½x¾"	1.35

37½ WATTS—650-700° F.				
26 B 1401	1233	A	Chisel, 1½x¼"	1.70
26 B 1480	1236	B	Pyramid, 1½x¾"	1.70
26 B 1481	1239	C	Chisel, 1½x¾"	1.70

47½ WATTS—850-1000° F.				
26 B 1498	4033	A	Chisel, 1½x¼"	2.83
26 B 1499	4036	B	Pyramid, 1½x¾"	2.83
26 B 1500	4039	C	Chisel, 1½x¾"	2.83

Thread-In Elements, Tiptets



J THREAD-IN ELEMENTS. For Tiptets. Fit 776 and 777 handles. All Fig. J. 535, 1235, 4035 fit ¼" Tiptets; 4045 fits ⅜" Tiptets and tips. 4 oz.

Stock No.	Type	Tip Temp.	Watts	EA.
26 B 1482	535	600-650°F	23½	1.35
26 B 1488	1235	700-750°F	37½	1.70
26 B 1490	4035	800-850°F	47½	2.83
26 B 1105	4045	800-850°F	47½	2.83

Series 300 ⅜" O.D. Tiptets

For subminiature work. Thread into 535, 1235, 4035 elements (above) Silver-plated, iron-clad copper alloy tips, except *unplated copper, 1" long, except PL-332 and 332, 1½". PL-340, ⅜". PL-338, 7154, 7155 have ⅜" point; PL-340, ⅜" point. 7154, 7155 are Stepped Tiptets. 2 oz.

Stock No.	Type	Fig.	Description	EA.
26 B 1469	PL-331	K	Pencil	.54
26 B 1483	331*	K	Pencil	.21
26 B 1470	PL-332	L	Offset pencil	.54
26 B 1484	332*	L	Offset pencil	.21
26 B 1471	PL-333	M	Chisel	.54
26 B 1485	333*	M	Chisel	.21
26 B 1101	PL-338	N	Tapered needle	.54
26 B 1409	PL-340	P	Micro-spade	.54
26 B 1755	7154	R	Stepped pencil	.54
26 B 2068	7155	S	Stepped chisel	.54

Series 800 ⅜" O.D. Tiptets

As above, but with ⅜" shanks. Use with 4045 element, above. Iron-plated except *unplated, 1" long except PL-833 and 834. 1½" long taper. 2 oz.

26 B 1410	PL-823	...	Pyramid	.60
26 B 2023	823*	...	Pyramid	.22
26 B 1411	PL-824	M	Chisel	.60
26 B 2024	824*	M	Chisel	.22
26 B 1412	PL-833	M	Chisel	.60
26 B 1413	PL-834	L	Offset chisel	.90

⅛" Micro-Miniature Tips



Precision Point

For microscopic soldering, assembly. Fit thread-in elements, left. 1 oz.
26 B 3089. Type 7012 Copper .005" Tip. 1-9 Each .54 10-Up Each .44
26 B 3090. Type 7062 Iron-Clad Silver-Plated Copper .010" Tip. Wt., 1 oz. 1-9 Each 1.04 10-Up Each .84

Soldering Accessories



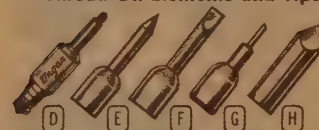
Type 270 Desoldering Kit. For re-work on PC boards. Includes: pencil handle, vinyl cord, 4045 element, 3 cup-shaped desoldering tips, slotted desoldering tip, bar tip, plus 1½x7¾x4⅝" metal case. Shpg. wt., 1½ lbs.
26 B 1109 7.26



T Soldering Iron Holder. Wire guard protects user from burns, also protects iron. Mounts on any bench or wall. Adjust angle. 8 oz.
26 B 1606. For Standard Line. 1.85
26 B 1702. For Imperial Irons. 1.85

W Type 8001 Anti-Seize Compound. Prevents tip from "freezing" to element, lubricates threads. Reduces seizure and corrosion. ⅜-oz. tube. Shpg. wt., 3 oz.
26 B 135658

Thread-On Elements and Tips



D THREAD-ON ELEMENTS. For 100 series thread-on tips. Nickel-plated copper alloy. For 110-120 V, AC-DC. Shpg. wt., 2 oz.

Stock No.	Type	Temp.	Watts	EA.
26 B 1403	4037	850-900° F.	47½	2.83
26 B 1402	1237	750-800° F.	37½	1.86
26 B 1593	537	600-650° F.	23½	1.53

SERIES 100 THREAD-ON TIPS. For 537, 4037 or 1237 elements. ⅜" long. Silver-plated copper alloy tips, except *unplated, 2 oz.

Stock No.	Type	Fig.	Description	EA.
26 B 1404	PL-111	E	pencil	.70
26 B 1406	111*	E	pencil	.34
26 B 1405	PL-113	F	chisel	.70
26 B 1407	113*	F	chisel	.34
26 B 1040	PL-114	G	micro-spade	.70
26 B 1041	PL-116	H	pyramid	.70
26 B 1048	116*	H	pyramid	.34

Ungar "Imperial" Components for Custom Irons

Imperial 6-Piece 40-Watt Soldering Kit

- Features Finest-Quality "Imperial" Components
- Operates with Fingertip Ease • With Three Mini-Tips

Model 6010. Meets the increasing need for efficiency in the modern electronics industry. Combines ease of operation and dependability in attractive, lightweight package. Handles like a pencil. Kit contains: 40-watt cartridge; 3 Mini-tips (long taper chisel, pyramid, micro-chisel); Imperial Handle; 2-wire cord. For 110-120 V, AC-DC. U.L. Listed. Shpg. wt., 8 oz.
26 B 1053. 1-5..... Each 6.61 6-Up..... Each 6.40

Imperial Handles, Cords, Elements, Tips



"Long-Life" Heat Cartridges (Not illus.)

Stainless Steel. U.L. Listed. For 115 V, AC-DC. 1 oz.

Stock No.	Type	Watts	1-9, EACH	10-Up, EACH
26 B 1049	6207	100	6.22	5.00
26 B 2025	6203	60	4.29	3.66
26 B 1622	6200	40	3.74	3.14
26 B 1623	6201	30	3.74	3.14
26 B 1624	6202	25	3.74	3.14

Interchangeable Thread-On Mini-Tips®

For above. #24-kt. gold plated, iron-clad; copper. 2 oz.

Stock No.	Type	Fig.	Description	Size	EACH	
					1-9	10-Up
26 B 1625	6304	A	*Micro-chisel	3/64x1/2"	.96	.80
26 B 1627	6312	B	†Pencil	1/8x1/4"	.43	.36
26 B 1631	6318	C	†Long taper chisel	1/8x1/4"	.43	.36
26 B 1632	6319	C	*Long taper chisel	1/8x1/4"	.96	.80
26 B 1633	6324	D	†Long taper pyramid	1/8x1/4"	.43	.36
26 B 1634	6325	E	*Long taper pyramid	1/8x1/4"	.96	.80
26 B 1636	6331	F	*Screwdriver	1/8x1/4"	.96	.80
26 B 1637	6333	G	*Needle	1/8x1/4"	.96	.80
26 B 1050	6520	....	†100-w. cart. chisel	1 1/2x1 1/2"	1.14	.97

"Marksman" Lightweight Soldering Irons by Weller



Weller "Marksman" irons feature stainless steel barrels, plated solid-copper tips, heat and impact-resistant handles. Packed in re-usable vinyl hanger pouch. 115 VAC.

H Featherweight SP-23 25-Watt Pencil Iron. Features a long-reach barrel, ideal for hard-to-get-at spots. Thin, nickel-plated tip is removable. Develops 750°F.
26 B 2391. Shpg. wt., 8 oz..... 2.25

J Lightweight SP-40 40-Watt Pencil Iron. Compact iron weighs only 2 oz. Has 1/4" dia. plated-copper tip.
26 B 3121. Shpg. wt., 8 oz..... 2.99

K Heavy-Duty SP-80 80-Watt Pencil Iron. Lightweight pencil style weighs 4 oz.; 3/8" dia. plated-copper tip.
26 B 3120. Shpg. wt., 10 oz..... 3.74

L Medium-Duty SP-120 120-Watt Iron. Ideal for light sheet metal work, home repairs. 1/2" dia. plated tip.
26 B 3119. Shpg. wt., 1 lb..... 6.72

M Heavy-Duty SP-175 175-Watt Iron. For big jobs requiring maximum heat transfer. Excellent for sheet metal and production use. 7/8" dia. plated-copper tip.
26 B 3118. Shpg. wt., 2 lbs..... 8.22

Low As

\$640



Select Your Own
Handle, Cord, Element, Tip

"Perma-Cool" Handles

Type 6100. Functional handles weigh only 1 oz. Fit heat cartridges, at left. Double cushion of air and five heat-transition surfaces for cool operation. Made of poly-carbonate resin, have die-cast aluminum heat sink. 4.7" long; 0.8" diameter at grip. Shpg. wt., 2 oz.

Stock No.	Color	EACH	
		1-9	10-Up
26 B 1616	Beige	1.38	1.15
26 B 1617	Ivory	1.38	1.15
26 B 1618	Turquoise	1.38	1.15
26 B 1579	Black	1.38	1.15

Plug-In Power Cords

Type 6102. Vinyl-covered 2 or 3-wire power cords for cartridges at left. Choice of 4 colors to match handles above. Molded-on female connector, positive slip-on action, and snap-lock. Polyvinyl chloride installation on both wire and plug. 18-gauge wire; each conductor 65 strands .005 wire. U.L. Listed. For 115 V, AC-DC. Wt., 3 oz.

Color	Stock No.	2-Wire, EACH		Stock No.	3-Wire, EACH	
		1-9	10-Up		1-9	10-Up
Beige	26 B 1683	1.97	1.66	26 B 1685	2.94	2.47
Ivory	26 B 1684	1.97	1.66	26 B 1686	2.94	2.47
Turquoise	26 B 1619	1.97	1.66	26 B 1620	2.94	2.47
Black	26 B 1663	1.97	1.66	26 B 1661	2.94	2.47

"Marksman" 25-Watt Soldering Kit

\$335



Model SP-23-K. Complete soldering kit features the "Marksman" 25-watt pencil iron at left. Kit also includes three different pretinned nickel-plated copper tips, soldering aid tool, 5-ft. 60/40 rosin core solder, instructions. 115 VAC. Wt., 8 oz.
26 B 2392..... 3.35

Model TCP-12 12-Volt Field Soldering Iron

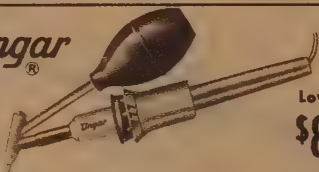
Operates from 12-volt battery or any 12-14 volt AC/DC source. Features tip-temperature-control and low power drain. Rapid recovery for top efficiency. Draws only 2.5 to 2.9 amps. 30-41 watts. Cool impact-resistant handle. With 700°F 3/16" screwdriver tip, battery clips, 12-ft. cord. 7 1/2" long. Wt., 2 lbs.
26 B 2168..... 9.98



\$998

Soldering Tools and Accessories

Ungar



Low as
\$875

Hot-Vac Desolderer and Solderer

Also for Heat-Shrinkable Tubing

Type 7800. Desolders and cleans printed circuit boards. Hot-Vac melts solder, which is sucked up into collector by bulb. Special coating makes tip-tinning unnecessary. Also for heat-shrinkable tubing. With 37½-watt element. For 115 volts A.C. Shpg. wt., 12 oz.

26 B 1028. 1-5..... Each 10.95
6-Up..... Each 8.75

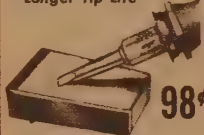
Better Connections,
Longer Tip Life

Ungar "Kleen-Tip" Kit

Type 400. Removes oxidation and excess solder from soldering tips. Consists of specially processed sponge and phenolic tray. Shpg. wt., 2 oz.

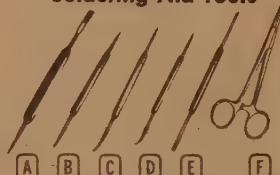
26 B 1421..... 98¢

26 B 1422. Type 455 Refill Sponge. Shpg. wt., 2 oz..... 39¢



98¢

Soldering-Aid Tools



A G-C 9088. One end has stiff wire brush for cleaning wire and terminals before soldering; other end shaped to hold wires during soldering. Solder does not stick to chrome-tipped probe. 8". 4 oz.

26 B 1000..... 98¢

B C G-C 9075 and 9076. Double ends ream, hold, or pry. Heat-treated tool steel. Chrome plated to prevent solder from sticking. 4 oz.

26 B 1728. (B) Straight Probe..... 78¢

26 B 1729. (C) Angled Probe..... 78¢

D G-C 9093. For printed circuits. Offset and slotted probes of hardened stainless steel—solder does not stick to tool. 8" long. 4 oz.

26 B 1586..... 98¢

E G-C 9094. Stainless steel brush, hardened steel scraper. For printed circuit boards. Solder does not stick to tool. 8" long. 3 oz.

26 B 1587..... 96¢

F Xcelite 42H Seizer. Versatile, 6" straight-nose tool clamps tightly. Holds wires for soldering, acts as a heat sink, retrieves small parts from hard-to-reach places. Precision made of stainless steel. 3 oz.

26 B 1255..... 4.49

26 B 1256. Type 43H. As above, but has curved nose..... 4.49



Ersin Multicore Solders

Tin/Lead Solder. Non-corrosive Ersin flux. 60% tin, 40% lead. 1-lb. spools. Shpg. wt. per spool, 1¼ lbs.

Stock No.	Gauge	EACH
26 B 1730	16 (.064")	3.34
26 B 1733	18 (.048")	3.40
26 B 1736	20 (.036")	3.67

Resin Multicore Solder. 5 cores of flux. 40% tin, 60% lead. 1-lb. spools. Shpg. wt. per spool, 1½ lbs.

Stock No.	Gauge	EACH
26 B 1594	16 (.064")	2.67
26 B 1313	18 (.048")	2.70

"Savbit" Solder. 5 cores of flux. Copper-tin-lead alloy reduces tip wear, offers greater strength. 1-lb. spools. Shpg. wt. per spool, 1¼ lbs.

Stock No.	Gauge	EACH
26 B 1123	16 (.064")	3.22
26 B 1629	18 (.048")	3.34
26 B 1635	20 (.036")	3.63



Printed-Circuit Pak. 40% lead, 60% tin alloy rosin-core solder for printed circuit boards. 18-ga., 5 cores. In flameproof aluminum dispenser. 5 oz.

26 B 1599..... 69¢

Ersin and Kester Non-Corrosive Solders

Ersin Extra-Fine-Gauge Solder

Five-core solder. 60% tin, 40% lead. *Eutectic—37% lead, 63% tin. Meets Federal spec. QQ-S-571. Each package contains four ½-lb. spools. Shpg. wt. per package, 3 lbs.

Stock No.	Gauge	EACH
26 B 3015	24 (.022")	11.57
26 B 3016	28 (.014")	15.29
26 B 3017	32 (.0108")	19.96
26 B 3018	34 (.009")	24.26
26 B 3056	*20 (.036")	7.45
26 B 3057	*24 (.022")	12.12
26 B 3058	*28 (.014")	15.52
26 B 3059	*32 (.0108")	20.15

Kester Solders

Kester "44". Fast-melting for high-speed soldering. Resin flux core. Non-corrosive, non-conductive. 60/40 alloy.

Stock No.	Dia.	Net	Shpg.	EACH
26 B 2112	.062"	1 lb.	1¼ lb.	2.14
26 B 2164	.031"	1 lb.	1¼ lb.	2.82

"Resin Five" Core Solder. For printed circuits. Has active Resin flux. Non-corrosive, non-conductive. 60% tin, 40% lead.

Stock No.	Dia.	Net	Shpg.	EACH
26 B 2234	.062"	1 lb.	1¼ lb.	2.14
26 B 2285	.031"	1 lb.	1¼ lb.	2.82

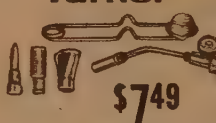
Solder Paste. Provides an even distribution of active ingredients. 2-oz. can. Shpg. wt., 5 oz.

26 B 1578..... 15¢

Tinning Block. Shpg. wt., 1¼ lbs.

26 B 1582..... 65¢

Turner



\$749

All-Purpose Propane-Gas Torch kit

LP-99. For sweating fittings, soldering, and bending metal. All-brass torch has heavy-duty valve with drag spring on knob. You get: pencil-point burner; heavy-duty burner for larger flame; brass flame-spreader; copper chisel-point solder tip; tank of fuel; spark lighter; steel case (3x10¼x6"). U.L. Listed. Wt., 4½ lbs.

26 B 1081 X..... 7.49



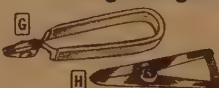
Turner "Flexi-Hand" Hose Torch Kit

LP-1955. Handy torch uses propane gas to provide clean flame. Simply clip the entire unit to your belt, and you have both hands free for carrying tools and equipment. Flexible hose with pistol-grip handle for working in tight places. Includes fuel tank, clip assembly, 4-ft. hose, handle, pencil-point burner assembly. Shpg. wt., 3½ lbs.

26 B 2135 X..... 9.88

26 B 1082 X. Replacement Fuel Tanks. Shpg. wt., 4¼ lbs..... Pkg. of 2 for 2.98

Lightweight Miller and G-C Soldering Heat Sinks



G Miller 80. Spring-type sink. Copper jaws, plastic covered handles. Shpg. wt., 6 oz.

26 B 1743..... 95¢

H G-C 9077. Aluminum sink gives firm grip. 3 oz.

26 B 1742..... 35¢

Staplers, Wire Strippers and Bench Vises



Complete
Kit
\$14.95

Arrow Versatile Stapling Guns

T-50MP Complete Stapling Kit. Deluxe stapling kit features the heavy-duty T-50 stapler. Has powerful double-leverage action and jamproof mechanism. For mending screens, window shades; fastening ceiling tile, wire, or party decorations; hundreds of other uses.

Kit includes: T-50 stapler; screen attachment; shade attachment; hardened-steel staple-lifter; 2000 $\frac{1}{4}$ " staples; 1000 $\frac{3}{8}$ " staples; 1000 $\frac{1}{2}$ " staples; 1000 Ceil-Tile staples. T-50 stapler takes $\frac{1}{4}$ " to $\frac{1}{2}$ " staples. Holds 85—.050" wire staples. Order extra staples below.

Shpg. wt., 4 $\frac{3}{4}$ lbs.

26 B 1466. Complete Kit..... 14.95

T-50 Stapler Alone. Wt., 2 $\frac{1}{4}$ lbs.

26 B 2653..... 10.95



\$4.79



\$12.95

JT-21 JR. Stapler. Low-priced stapling gun for home or office. Has safety lock handle, built-in staple extractor, and visual refill aid. Loads 100—.025" staples. Size, 3 $\frac{1}{2}$ "x $\frac{3}{4}$ ". Order staples below.

Shpg. wt., 1 lb.

26 B 1249..... 4.79

T-25 Wire Stapler. For low-voltage wires up to $\frac{1}{4}$ " dia. Tapered head. Grooved-blade positions wire. Crown fits wire snugly. Holds 85 staples of .050" wire. Size, 5 $\frac{1}{2}$ "x7 $\frac{3}{4}$ ". Order staples below.

Shpg. wt., 2 $\frac{1}{4}$ lbs.

26 B 1467..... 12.95

Staples for Arrow Guns. T-CT (for T-50) for ceiling tile. Average shpg. wt., 1 lb.

Stock No.	For Model	Size	Lth.	Quantity	E.A.
26 B 1251	JT-21	$\frac{1}{4}$ "	$\frac{1}{4}$ "	1000	.49
26 B 1252	JT-21	$\frac{1}{4}$ "	$\frac{1}{4}$ "	1000	.49
26 B 1273	T-50, 55	$\frac{1}{4}$ "	$\frac{3}{8}$ "	5000	2.20
26 B 1276	T-50, 55	$\frac{1}{4}$ "	$\frac{3}{8}$ "	5000	2.29
26 B 2654	T-CT	$\frac{1}{4}$ "	$\frac{3}{8}$ "	5000	3.20
26 B 1275	T-25	$\frac{1}{4}$ "	$\frac{3}{8}$ "	5000	3.74



Heavy-Duty Wire and Cable Strippers

C Vaco No. 1963 Wire Cutter. Cuts wire, strips off insulation and crimps it. Wire sizes 10-22. 1 lb.
26 B 2048..... 4.85

D K. Miller 101-S Wire Stripper. Strips, cuts wire up to No. 8. Spring-lock holds blades closed when not in use. 6" long. Shpg. wt., 4 oz.
26 B 1392..... 1.27

K. Miller Model 100 Wire Stripper. As above, without spring action. 4 oz.
26 B 1338..... .97c

E K. Miller Coaxial Cable Stripper. Strips, cuts, and slits cable. Adjustable blades for RG59/U cable.
26 B 1339. Shpg. wt., 8 oz..... 13.75

F G-C 766K Wire Stripper Kit. Includes Model 766 wire stripper; 7 blades; for No. 8 to 30 gauge wire; Has plastic case. Shpg. wt., 2 $\frac{1}{4}$ lbs.
26 B 1389..... 13.16

26 B 1387. Model 766 Wire Stripper Only. For 12-20 wire. 1 $\frac{1}{4}$ lbs.. 5.93
26 B 1388. Model 766A. For No. 14 to No. 30 wires. Wt., 1 $\frac{1}{4}$ lbs..... 5.93

G G-C 802 Wire Stripper. Automatic stop, return. Has wire cutter. For No. 10-22 wires. 8 oz.
26 B 1341..... 5.93

H Blonder-Tongue Coaxial Cable Stripper. Strips cables up to $\frac{1}{2}$ " diameter. Scale for exact stripping measurements. Uses single-edge razor blade. Holds cable under spring tension. Heavy steel construction. 4 oz.
26 B 2169..... 3.45

J Utica SW-1 "Stripwright" Wire Stripper. Strips teflon and other insulations. Cam-action calibrated dial adjust to wire sizes No. 12 to No. 26. Ideal for limited access areas.
26 B 1680. Shpg. wt., 7 oz..... 15.71

Vises for Electronic Work

K Wilton 4 $\frac{1}{4}$ " Bench Vise

\$8.95

- Built-In Pipe Jaws
- Locking Swivel Base

Model C55. Sturdy vise opens to 4 $\frac{1}{4}$ ". Inserts have heavy serrations; built-in pipe jaws. Locking swivel base; forming anvil. Jaw width, 4 $\frac{1}{2}$ "; depth, 3". Wt., 19 lbs.

26 B 1489 X..... 8.95

Wilton Model C53 $\frac{1}{2}$ Vise. Above, but has 3 $\frac{1}{2}$ " jaw width. Shpg. wt., 11 lbs.
26 B 2203 X..... 5.95

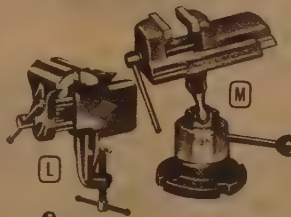
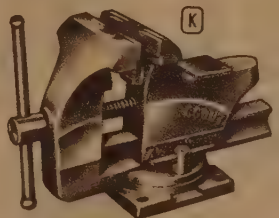
L Brink and Cotton No. 149 Hobbyist Vise. Holds small parts; has easy action. Clamps to any bench up to 1 $\frac{1}{4}$ " thick. Jaws 1 $\frac{1}{2}$ " wide; open to 1 $\frac{3}{4}$ ". 2 $\frac{3}{4}$ lbs.
26 B 1317..... 1.89

M Wilton Model 364 Vise and Positioner. For small parts. Single-handed control of "PowRarm" positioner permits rotating or tilting work. Max. work weight, 15 lbs. at 6". Jaws, 2 $\frac{1}{4}$ " wide; open to 2 $\frac{1}{4}$ ". Wt., 5 lbs.
26 B 1149..... 16.95

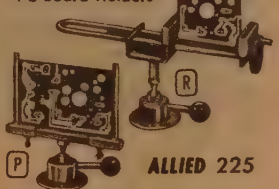
N Miller Falls No. 217 Deluxe Vise. Holds work on drill press bed or work bench. Jaws, 2 $\frac{3}{8}$ " wide; parallel faces extend to 3 $\frac{1}{8}$ ". Removable swivel jaw. 5 lbs.
26 B 1321..... 8.99

P Wilton Model 371 PC Holder with Positioner. Brackets adjust horizontally 3" to 6". Vertical posts are V-grooved ($\frac{1}{8}$ " wide, $\frac{3}{16}$ " deep). Post height, 4". 2 lbs.
26 B 2211..... 11.95

R Wilton Model 353 Electronics Vise with Positioner. For small PC boards, sub-assemblies. Protective rubber-covered jaws. Steel slide bars adjust to 6 $\frac{1}{2}$ ". 3 lbs.
26 B 2210..... 14.95



Electronics Vise and PC Board Holders



HUSKY Forged Alloy Steel Tool Sets

170-Piece Precision Socket Set

\$49⁹⁵

\$5 monthly

- All American-Made
- Thin-Wall Sockets
- Triple Chrome-Plated
- Closed 60-Tooth Ratchet

Outstanding value tool set for the home-owner or mechanic. Three square-drive sets, plus many more needed tools. The $\frac{1}{2}$ " drive set: 10" and 5" extensions, ratchet, speeder, $\frac{13}{16}$ " extra-deep spark plug socket, ten 12-pt. sockets $\frac{1}{16}$ to 1".

The $\frac{3}{8}$ " drive set: seven 12-pt. sockets $\frac{3}{8}$ to $\frac{1}{2}$ ", $\frac{1}{2}$ to $\frac{3}{8}$ " reduction adapter. The $\frac{1}{4}$ " drive set: 6" extension, ratchet, 6" flex handle, eight 6-pt. sockets $\frac{3}{16}$ to $\frac{1}{16}$ ", three 8-pt. sockets $\frac{1}{4}$ to $\frac{3}{8}$ ".

Also includes: 5-pc. open end wrench set, 12 fine abrasive sheets, 8-pc. metric socket set; 5-pc. punch/chisel set; 10-pc. screwdriver set; 18-pc. hex key set; hack saw and 24 blades; 8-pc. comb. ignition wrench; 24-pc. ignition wrench set; grip wrench; 7-pc. nut runner set; 8-pc. $\frac{1}{2}$ " driver hex socket set; and steel tool box with tote tray. Shpg. wt., 17 lbs.

26 B 1361 X. \$5 Monthly.....49.95

82 Pieces

\$39⁹⁵

\$5 monthly

35 Pieces

\$24⁹⁵

\$5 monthly

82-Pc. $\frac{1}{4}$ " and $\frac{1}{2}$ " Automotive Socket Set

Includes timing light, compression and fuel pump testers, remote starter switch for perfect spacing of distributor breaker points, and many more tools needed for car tuneups and maintenance. The $\frac{1}{2}$ "-socket set: $\frac{1}{2}$ " drive reversible ratchet; 5" socket extension; $\frac{13}{16}$ " spark-plug socket; three 6-pt. sockets, $\frac{1}{16}$ to $\frac{3}{16}$ "; eight 12-pt. sockets, $\frac{1}{16}$ to 1". Other tools: ratchet and socket set, 10-pc. screwdriver set, 18-pc. hex key set, compression tester, fuel pump tester, timing light, remote starter switch, 20-pc. ignition set, metal tool box with tray.

26 B 1396 X. Shpg. wt., 12 lbs. \$5 Monthly.....39.95

TV Repair and Mechanics Set

Has $\frac{1}{4}$ " square drive set with nine 6-pt., $\frac{1}{16}$ to $\frac{1}{2}$ " and three 8-pt., $\frac{1}{4}$ to $\frac{3}{8}$ " skts. 6" extension; 2" extension; rev. ratchet; 3" crossbar; 6" flex handle; handle adapter; $\frac{1}{2}$ " slide TEE handle; 4" flex extension. Four box wrenches, $\frac{3}{16}$ x $\frac{1}{2}$ " to $\frac{3}{16}$ x $\frac{11}{16}$ "; 6 open-end wrenches, $\frac{13}{16}$ x $\frac{1}{2}$ " to $\frac{3}{16}$ x $\frac{11}{16}$ "; screwdr., ignition pliers; feeler ga; $\frac{5}{16}$ " point file; box.

26 B 1427 X. Wt., 4 lbs. \$5 Monthly.....24.95

Versatile Tools for Home and Shop



15-Pc. $\frac{1}{2}$ "
Socket Set

\$18.95



12-Pc. $\frac{3}{8}$ "
Socket Set

\$10.95



11-Pc. $\frac{1}{4}$ "
Socket Set

\$4.69

Quality
Set at a
Low Price

$\frac{1}{2}$ " Drive Socket Set

Excellent for work around the house. This 15-piece $\frac{1}{2}$ " drive set consists of: three 6-pt. sockets— $\frac{3}{16}$ " to $\frac{3}{8}$ "; seven 12-pt. sockets— $\frac{7}{16}$ " to 1"; $\frac{13}{16}$ " spark-plug socket; 5" socket extension; reversible ratchet; 15" flex handle; metal box, 15 $\frac{1}{2}$ "x4x2". 10 lbs.

18.95

26 B 2329

$\frac{3}{8}$ " Drive Socket Set

Handy socket drive set for home or shop includes: four 6-pt. sockets— $\frac{3}{16}$ ", $\frac{1}{4}$ ", $\frac{1}{2}$ " and $\frac{3}{8}$ "; three 12-pt. drive sockets— $\frac{5}{8}$ ", 1 $\frac{1}{2}$ " and $\frac{3}{4}$ "; socket extension; reversible ratchet; 10" flex handle; metal storage box, 10x3 $\frac{3}{8}$ "x1 $\frac{1}{4}$ ". Shpg. wt., 3 lbs.

10.95

26 B 2008

$\frac{1}{4}$ " Drive Socket Set

Low-priced 11-piece socket set for those small jobs around the house. This $\frac{1}{4}$ " drive set consists of: six 6-point sockets— $\frac{1}{4}$ ", $\frac{5}{16}$ ", $\frac{1}{2}$ ", $\frac{3}{8}$ " and $\frac{1}{2}$ "; three 8-point sockets— $\frac{1}{4}$ ", $\frac{3}{8}$ " and $\frac{1}{2}$ "; 6" flex handle; metal tool box, 6 $\frac{1}{2}$ "x2 $\frac{3}{8}$ "x1 $\frac{1}{4}$ ". 1 lb.

4.69

26 B 1429

"Gear Grip" Ratchet-Action Adjustable Wrenches

A "Must" in Every Tool Box

\$3.98
Each

Combines constantly parallel jaws of conventional adjustable wrench with positive gripping action of pliers. Quick adjustment made by disengaging gears and sliding jaw to desired position. 8:1 compound gripping leverage. Straight Jaw (C) fits square or hex nuts. Gripping leverage prevents slippage or spreading. Adjusts from minimum to maximum in 2 seconds. "V" Jaw (B) offers positive grip in four equally opposed surfaces. Ideal for soft metal tubing connections. Pipe-Vise Jaw (A) grips hex, round, oblong or irregularly shaped objects. Grips on four sides instead of the usual two.

26 B 2621. Straight Jaw Gear Grip. (Fig. C.) Shpg. wt., 10 oz. . . . 3.98

26 B 2889. "V" Jaw Gear Grip. (Fig. B.) Shpg. wt., 10 oz. . . . 3.98

26 B 2952. Pipe-Vise Jaw Gear Grip. (Fig. A.) Shpg. wt., 10 oz. . . . 3.98



\$5.95

\$4.15

D HP Model 500 Nut-Cracking Tool. Cracks nuts from $\frac{3}{8}$ " to $\frac{13}{16}$ ". Easy to use, provides up to 25,000 lbs. of pressure. Wt., 1 $\frac{1}{4}$ lbs.

26 B 1583. . . . 5.95

E Adel Metal "Nibbling" Tool. "Nibbles" openings in 18-ga. steel, aluminum, or other soft metals up to $\frac{1}{8}$ " thick. Shpg. wt., 8 oz.

26 B 1153. . . . 4.15

26 B 1130. Extra Punch. 2 oz. . . . 2.12



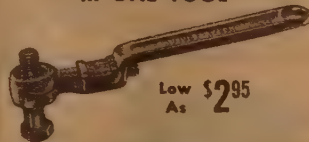
Adjusts to 7 Sizes \$4.98

Adjustable Socket Wrench

Eliminates need of individual wrench for each size. Just press and turn, wrench automatically adjusts to any of seven hex sizes from $\frac{1}{4}$ " to $\frac{1}{2}$ ". Extra sleeve allows for spinning. Has extra-deep tempered steel sockets and chrome-plated steel housing. Shock proof, insulated handle. Length, 8". Shpg. wt., 8 oz.

26 B 2985. . . . 4.98

A "Set" of Box Wrenches in ONE TOOL



Low \$2.95
As

- Non-Slip Four-Sided Jaw
- Grips Burred and Damaged Nuts
- Your Choice of Three Sizes

8". A single tool that works like a complete set of box wrenches. Adjusts from $\frac{1}{4}$ " to 1". Narrow head permits use in extremely tight spots. Designed to tightly grip even burred and damaged nuts. Made of heat treated, forged alloy steel for extra strength. Nickel-chrome plated finish. 8" handle. 8 oz.

26 B 2982. . . . 2.95

10". Similar to above. Adjusts from $\frac{3}{8}$ " to 1 $\frac{1}{2}$ ". Shpg. wt., 14 oz.

26 B 2983. . . . 4.95

12". Extra large. Adjusts from $\frac{1}{2}$ " to 1 $\frac{1}{2}$ ". Wt., 21 oz.

26 B 2984. . . . 5.95

Tube and Pipe Cutters, Flaring Tool

F Tubing Cutter. Cuts $\frac{1}{8}$ "-1 $\frac{1}{2}$ " O.D. copper, brass, aluminum, thinwall conduit. Meets Fed. Specs. Retractable reamer.

26 B 2140. Shpg. wt., $\frac{1}{2}$ lb. . . . 1.89

G Combination Tubing and Pipe Cutter. Cuts $\frac{3}{8}$ "-2 $\frac{1}{2}$ " copper, brass, aluminum, thinwall conduit; $\frac{3}{8}$ "-1" iron, steel pipe.

26 B 2141. Shpg. wt., 2 lbs. . . . 3.75

H Flaring Tool. Makes SAE 45° flare, $\frac{3}{16}$ " to $\frac{3}{8}$ " O.D. on copper, brass, aluminum.

26 B 2139. Shpg. wt., 2 lbs. . . . 2.65



All Has Large Stocks of Tools for Your Every Need

ALLIED 227

First-Quality Tools for Home and Shop Use



\$4.98

Glues Plastics,
Wood, Leather
—No Clamping

Thermogrip Electric Glue Gun

Obsoletes other gluing methods! Insert solid glue stick in gun, it's heated and melted and glue feeds from tip. Permanent, waterproof bond in 60 seconds. Sealer-sticks for caulking. With gun, glue and sealer sticks. For 115 V AC/DC.

26 B 2435. Wt., 1 lb. 4.98
26 B 3188. Extra 1 1/2" Glue Sticks. Wt., 12 oz. Pkg. of 60 for 1.98
26 B 3189. Extra 1 3/4" Sealer Sticks. Wt., 12 oz. Pkg. of 60 for 1.98



\$39.50

\$13.95

Central Precision Micrometers

A 44L 0-4" Range Micrometer. Forged steel frame, satin-chromed barrel. 3 adjustable extensions. Friction stop, barrel lock. Has .001" graduations. Deluxe case. 3 lbs.

26 B 1211. \$5 Monthly. 39.50

B 1" Micrometer. Positive lock. Accuracy meets government spec GGG-C-105. Forged frame.

26 B 1060. Wt., 8 oz. 13.95

26 B 2287. 1-2" Micrometer. 15.95



With Pins

\$3.29

Concrete Fastener

No drilling! Anchor wood or light metal to concrete with 5 hammer taps. Piston concentrates hammer force. With assorted driver pins.

26 B 2425. Wt., 12 oz. 3.29

26 B 2426. 3/4" Pin. Fastens conduit, straps, signs. 8 oz. Pkg. 19/79¢

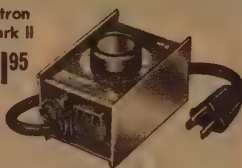
26 B 2427. 1 1/2" Pin. Furring strips to concrete, brackets and steel angles to blocks. 8 oz. Pkg. 10/79¢

26 B 2428. 2 1/2" Pin. For 2x4" planks to concrete. 8 oz. Pkg. 9/79¢

26 B 2429. 1/4"-20 Threaded Stud. For concrete. 8 oz. Pkg. 10/79¢

Lutron
Mark II

\$11.95

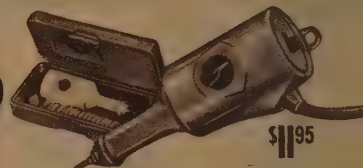


Power Tool Speed Control

Electronically varies speed of AC-DC drill, saw, etc. from "off" to full speed. For up to 5 amp univ. (AC-DC) and series DC motors only. 900 watts max. load. 115 V, 60 Hz.

26 B 1836. Wt., 1 1/2 lbs. 11.95

26 B 2434. For up to 10 amps. 17.95



\$11.95

Dremel Model 290 Engraver

As easy to use as a pencil. Even engraves glass. Five-speed adjustment for stroke length and depth. High-speed reciprocating motor (7200 strokes/min.). Nylon. With case, carbide point. 110-120 VAC. Wt., 1 1/2 lbs.

26 B 2405. 11.95



\$9.95

Dremel Electric Scroll Saw

Cuts scrolls, angles and curves in wood to 3/4" thick, tile, light metal. Thin, fast blade leaves smooth wood. Cuts in any direction—9 1/2" deep throat. 115 VAC.

26 B 2436. Wt., 3 lbs. 9.95

26 B 2437. Pkg. of 12 Blades. 2 oz. 98¢



\$4.49

X-acto Cordless Hobby Drill

Battery-powered drill is ideal for models. Drills plastic, wood, light metal; grinds, polishes, carves. 3 collets for #80 to 3/64" bits, punch, grinder. Uses 2 "C" batt.

26 B 2438. Wt., 1 lb. 4.49

18 B 5078. "C" Batt. 10 oz. 2/33¢



NEW!

\$9.95

Metal Forming Brake

Shapes perfect bends and contours in metal to 16-gauge. 1" slots in bar permit bending to 90° angle. Easy adjustments for thickness and sharpness of bend. Wt., 8 lbs.

26 B 2439. 9.95



NEW!

\$9.95

4-in-1 Metalworker

Multi-purpose tool forms angles to 90° in flat or rod stock to 16-gauge, 1" wide; shears at any angle; rivets and punches to 1" from edge. With 1/8", 3/16" and 1/4" punches.

26 B 2500. Wt., 6 lbs. 9.95



Marson's "Rivet-All"
for Home Riveting

\$3.89

Makes Joints
Neatly, Easily

Makes neat, vibration-proof joint. Swivel attachment selects rivet size (3/32", 1/8", 3/16"). With assorted rivets (extras below).

26 B 2400. Shpg. wt., 1 1/2 lbs. 3.89

RIVETS, WASHERS. †Steel. ‡Aluminum. §Large washer head. Av. wt., 8 oz.

Steel Rivets				Aluminum Rivets				Washers			
Stock No.	Qty.	DxL	PER BOX	Stock No.	Qty.	DxL	PER BOX	Stock No.	Size	Qty.	PER BOX
26 B 2414	100	1/2x3/4"	.98	26 B 2417	100	1/2x1/4"	.98	26 B 2422	1 1/4"	50	.39
26 B 2415	80	1/2x1/4"	.98	26 B 2418	80	1/2x1/4"	.98	26 B 2423	1 3/4"	35	.39
26 B 2416	60	1 1/2x1/4"	.98	26 B 2419	60	3/4x1/4"	.98	26 B 2424	1 3/4"	35	.39
26 B 3692	100	3/2x1/4"	.98	26 B 2420	60	3/4x1/4"	.98				
26 B 3691	80	3/2x1/4"	.98	26 B 2421	60	3/4x3/8"	.98				

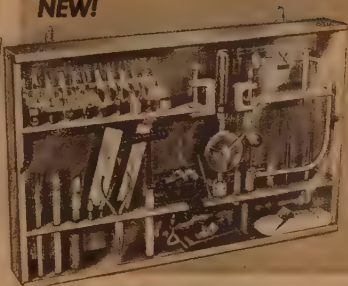
Everything in Tools for the Hobbyist



Multi-Purpose
One-Hand Tool



NEW!



X-acto Complete Hobby Den Tool Cabinet

\$24⁹⁵

Full Hobby Tool
Assortment in
Fitted Cabinet

\$5 monthly

A X-acto Lock-Griplier. Use as plier, wrench, vise, crimper, tweezer, stripper, wire cutter. Cam-actuated steel jaws, pistol-grip handle, locking key. Wt., 2 oz.
26 B 2510.....3.15

B X-acto Razor Saw. For metal, wood, plastic. Angled shank long-reach blade. 9 1/2". With 3/4", 1"-wide blades. Shpg. wt., 4 oz.
26 B 2487. 3/4" Blade. 1 oz.....39¢
26 B 2488. 1" Blade. 1 oz.....45¢

C X-acto Vizi-Dome Woodcarving Set. Includes six gouge blades, four regular and two 3" blades, and No. 5 handle. Complete with black plastic base with clear plastic top. Shpg. wt., 8 oz.
26 B 2521.....3.59

D X-acto Knife Chest. Multi-purpose knife set includes Nos. 1, 2 and 5 knives with nine assorted extra blades. In handy, neutral-finish wood chest. Wt., 12 oz.
26 B 2522.....4.25



E X-acto No. 1 Knife. For light to med. use. Aluminum. 5". With #11 blade.
26 B 2523. Wt., 5 oz.....59¢
Blades for above. Pkg. 5. 2 oz.

Stock No.	Type	Pkg.
26 B 2836	10 Eraser	.53
26 B 2837	11 Fine Angle	.53
26 B 2838	12 Correction	.53
26 B 2839	13 Plastic Saw	.53

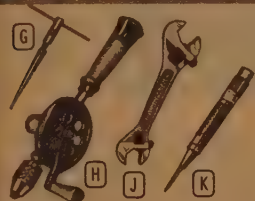


F No. 2 Knife. Med. to heavy duty. With #22 blade.
26 B 2526. 5". Wt., 5 oz.....72¢
Blades for above. Pkg. 5. 2 oz.

Stock No.	Type	Pkg.
26 B 2840	18 Chisel, 1/4"	.53
26 B 2859	19 Deburring	.53
26 B 2860	22 Trimming	.53
26 B 2866	23X Dual Edge	.67
26 B 2871	24 Close Corn.	.53



Big assortment of X-acto hobby tools, knives and blades for a variety of hobby uses. Fitted wooden cabinet has sliding see-thru cover plus silhouette of each tool for easy replacement. Set includes: 3 knives with blades; 6 extra blades; 6 gouges; 4 routers; 2 punches; saw with 2 blades; 2 razor saw blades; drill; drill bit; 2 screwdriver bits; planer; sander; file; bench vise; hammer; pliers; 2 screwdrivers; tweezer; 2 chucks; 2 "C" clamps; 3 tweezer clamps; instruction/project book. 13 1/2"x21 1/4"x3". 9 lbs.
26 B 2590 X. \$5 Monthly.....24.95



G Henry Hanson 120 Hand-Reamer. 5 1/2" long. 1/2"-dia. shank. 1/8" point. High-carbon steel. Wt., 9 oz.
26 B 1390.....1.29

H Henry Hanson DR-140 Hand Drill. Steel, double-pinion gears. Takes drills up to 3/8" dia. Wt., 2 lbs.
26 B 1751.....3.29

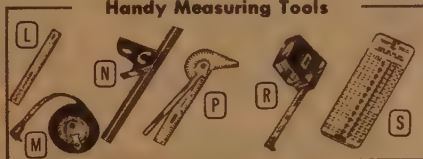
J 6" Adjustable Wrench. 1/2", 3/4".
26 B 1263. Wt., 6 oz.....2.74

K 26 B 1382. Center Punch. 5 oz.....3.49
26 B 1383. Extra Point 1 oz.....47¢

L 6" Rule and Wire Gauge. Graduated in 32nds and 64ths. Has B&S wire gauge, decimal equivalents. 2 oz.
26 B 1320.....55¢

M Lufkin White-Clad Tape. 50' steel tape. Black figures on white. Handle folds flush. Wt., 1 lb.
26 B 1184.....4.20
26 B 1185. As above, 100'. 2 lbs.....5.94

Handy Measuring Tools



N Corsair 12" Combination Square. Try/miter square, depth gauge, plumb, level. Locks at any point. 8 oz.
26 B 1308......84¢

P Multi-Purpose 4" Rule. 32nds, 64ths, mm; protractor; center-finder; square; drill gauge; tap-drill table.
26 B 1329. Wt., 4 oz.....1.47

R Lufkin "Lokmatic" Tape Rules. Lever-Lok, ball-bearing rewind, end hooks, 1/16" graduations. Vinyl & metal case. Width, 1/2" except 3/4".

Stock No.	Type	Feet	Oz.	EACH
26 B 3045	W728	8	7	1.50
26 B 3046	W7210	10	8	1.73
26 B 3047	W7212	12	8	2.00
26 B 3048	W7312*	12	10	2.83
26 B 3049	W7316*	16	10	3.34

S Drill and Steel-Wire Gauge. Gauges and gives decimal equivalents for sizes 1 to 60. Lists tap and drills, 2-56 to 1/4-28. 5 oz.
26 B 1319.....1.69



T Ulster K-29W Electricians Knife. Use as handy knife, screwdriver, and wirecraper. 2 1/2" tool steel blades. Shpg. wt., 5 oz.
26 B 1298.....1.49

W Millers Falls Utility Knife. 5" long. 5 blades. Wt., 1/2 lb.
26 B 2655......83¢
26 B 1171. 5 Extra Blades. 2 oz.....37¢

X Hex-Key Wrench Set. Hardened nickel-chrome alloy steel wrenches fold in and out of frame similar to a pocket knife. Hex sizes .050" to 3/16". Shpg. wt., 4 oz.
26 B 1128......88¢

Y Flexible Shaft Attachment. Adds versatility to any electric drill with 1/4" chuck. Permits drilling at any angle, and in hard-to-get-at spots. Overall length, 36". Shpg. wt., 1 lb.
26 B 2483.....1.95

Xcelite Quality Nutdrivers, Screwdrivers



Service Master Tool Kit

\$24.87

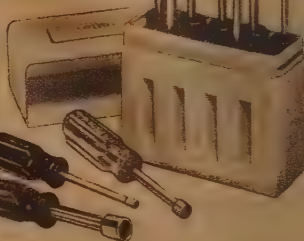
- Handy Roll-Up Kit
- 23-Piece Set



Screwdriver/Nutdriver Set

\$9.42

- 9 Nutdrivers
- 4 Screwdrivers



Hollow-Shaft Nutdriver Set

\$11.10

- 10 Nutdrivers
- Carrying Case

Model 99SM. Versatile set provides a variety of quick-change tools and tool combinations to speed-up assembly and service work. Complete Kit includes: long-nose pliers; 6" adjustable wrench; 9 regular nutdrivers from $\frac{3}{16}$ " through $\frac{1}{2}$ "; $\frac{1}{4}$ ", $\frac{3}{16}$ " and $\frac{3}{8}$ " stubby nutdrivers; $\frac{3}{16}$ " and $\frac{3}{32}$ " slotted screwdrivers; No. 1 Phillips screwdriver; $\frac{1}{8}$ " to $\frac{3}{8}$ " reamer; $\frac{1}{4}$ " to $\frac{1}{2}$ " reamer; 8" extension. Durable, vinyl-coated canvas roll-up case with separate pockets for each tool.
26 B 1162. Wt., 2 $\frac{3}{4}$ lbs. \$5 Monthly.... 24.87

Model 99PR. A grand total of 14 needed pieces in a handy roll-up vinyl pouch. Complete set includes: 9 nutdrivers in sizes from $\frac{3}{16}$ " through $\frac{1}{2}$ " in $\frac{1}{32}$ " steps; 2 single-end screwdrivers, $\frac{3}{16}$ ", $\frac{9}{32}$ "; 2 single-end Phillips, Nos. 1 and 2. Plastic handle to hold shafts. All have heavily chrome-plated shafts and blades to resist corrosion, prolong life. Shpg. wt., 2 lbs.
26 B 1259..... 9.42

Model HS6-18. Set of 10 hollow-shaft nutdrivers supplied in a rugged carrying case. Super-tough cold-drawn, case-hardened sockets. High-carbon steel shafts are polished and plated. Shock and breakproof plastic handles are all color-coded and marked with large, easy-to-read numbers. In sizes from $\frac{3}{16}$ " through $\frac{3}{8}$ ", in $\frac{1}{32}$ " steps. Also sizes $\frac{1}{4}$ ", $\frac{1}{2}$ ", and $\frac{3}{4}$ ".
26 B 1199. Wt., 1 $\frac{1}{2}$ lbs..... 11.10

Versatile Allen, Nutdriver and Screwdriver Sets



\$3.93

Screwdriver Set



\$6.75

Allen Set



\$5.55

Nutdriver Set

A PS88 Screwdriver Set. 5 slot-tip screwdrivers from $\frac{3}{32}$ " to $\frac{1}{4}$ "; 3 Phillips drivers, #0, #1, #2; 1x3 $\frac{1}{8}$ " standard handle. $\frac{3}{16}$ " drivers.
26 B 2579. Shpg. wt., 11 oz..... 3.93

B 99PS-40 Allen Screwdriver Set. Includes: shaft and break proof handle; 4" extension; 9 blades, $\frac{3}{16}$ " to $\frac{5}{8}$ " in $\frac{1}{16}$ " steps, also $\frac{3}{16}$ ".
26 B 1757. Shpg. wt., 12 oz..... 6.75

C PS120 Nutdriver Set. Includes: 10 color-coded drivers from $\frac{3}{32}$ " to $\frac{3}{8}$ " in $\frac{1}{32}$ " steps. Plastic case fits pocket.
26 B 2194. Shpg. wt., 11 oz..... 5.55



All-Purpose Screwdriver Set

\$4.98

- 6-Pieces
- Plastic Handles

Handyman's Screwdriver Set

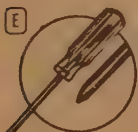
Includes: 2 Phillips head—No. 1, 3" shaft, 6 $\frac{3}{8}$ " overall; No. 2, 4" shaft, 7 $\frac{3}{4}$ " overall; 4 slotted with round shafts— $\frac{1}{8}$ x4" shaft, 6 $\frac{1}{2}$ " overall; $\frac{1}{4}$ x4" shaft, 8" overall; $\frac{3}{16}$ x4" shaft, 7 $\frac{3}{8}$ " overall; 5x5" shaft, 7" overall. With case. Shpg. wt., 14 oz.
26 B 3146..... 4.98

Set-Screw, Phillips, Round-Shaft Screwdrivers



D Set-Screw Type Screwdrivers. Shpg. wt., 2 oz.

Stock No.	Mfr's Type	Shaft Size		Overall Length	EACH
		Dia.	Lgth.		
26 B 1129	R-3323SS	$\frac{3}{32}$ "	3"	5"	.33
26 B 1136	R-1845S	$\frac{1}{8}$ "	4"	6"	.42



E Phillips Screwdrivers. *Pocket clip. Av. shpg. wt., 6 oz.

		No. 0	2"	4"	.39
26 B 1223	P-12S*	No. 1	6"	10"	.84
26 B 1155	X-108	No. 2	4"	7 $\frac{3}{4}$ "	.93
26 B 1156	X-102	No. 3	6"	10"	1.26
26 B 1158	X-103				



F Round-Shaft Screwdrivers. Av. shpg. wt., 5 oz.

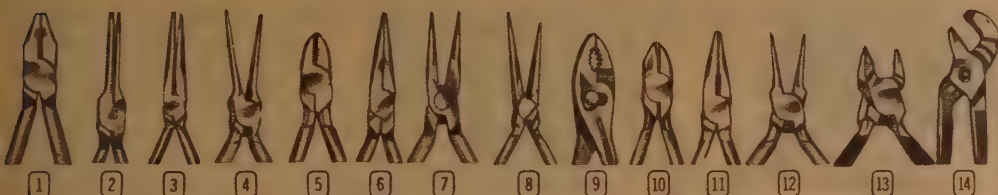
		$\frac{1}{8}$ "	2"	4 $\frac{1}{2}$ "	.33
26 B 1142	R-182	$\frac{1}{8}$ "	4"	6 $\frac{1}{2}$ "	.42
26 B 1147	R-184	$\frac{1}{8}$ "	6"	8 $\frac{1}{2}$ "	.48
26 B 1148	R-186	$\frac{1}{8}$ "	8"	10 $\frac{1}{2}$ "	.57
26 B 1150	R-188	$\frac{1}{8}$ "			
26 B 1279	R-144	$\frac{1}{4}$ "	3"	8"	.87
26 B 1280	R-146	$\frac{1}{4}$ "	6"	10"	.96
26 B 1281	R-148	$\frac{1}{4}$ "	7"	12"	1.02
26 B 3281	R-3163	$\frac{3}{16}$ "	3"	6 $\frac{3}{4}$ "	.60
26 B 3282	R-3164	$\frac{3}{16}$ "	4"	7 $\frac{3}{4}$ "	.69
26 B 3283	R-3166	$\frac{3}{16}$ "	6"	9 $\frac{3}{4}$ "	.75
26 B 3284	R-3168	$\frac{3}{16}$ "	8"	11 $\frac{3}{4}$ "	.87

Color-Coded Hex Nutdrivers

(Not illus.) Standard-type nutdrivers with light-weight hollow shafts. Color-coded handles. Types HS-6, 7 have 6 $\frac{3}{8}$ " overall lgth. Types HS-8, 9, 10, 11, 12 have 7" overall lgth. Types HS-14, 16, 20 have 7 $\frac{1}{2}$ " overall lgth. Wt., 6 oz.

Stock No.	Mfr's Type	Hex Size	Color	EACH
26 B 1648	HS-6	$\frac{3}{16}$ "	Black	.93
26 B 1649	HS-7	$\frac{7}{32}$ "	Brown	.93
26 B 1264	HS-8	$\frac{1}{4}$ "	Red	.93
26 B 1646	HS-9	$\frac{9}{32}$ "	Orange	.93
26 B 1265	HS-10	$\frac{5}{16}$ "	Amber	.93
26 B 1266	HS-11	$\frac{11}{32}$ "	Green	.93
26 B 1267	HS-12	$\frac{3}{8}$ "	Blue	.93
26 B 1268	HS-14	$\frac{1}{2}$ "	Brown	1.05
26 B 1269	HS-16	$\frac{5}{8}$ "	Red	1.08
26 B 1271	HS-20	$\frac{3}{4}$ "	Amber	1.26

Pliers and Tools Needed by Every Handyman



PRECISION PLIERS, CUTTERS FOR ANY APPLICATION

Professional-Quality KNIGHT Pliers and Cutters

Drop forged from high-grade tool steel and heat treated for optimum temper. Vinyl cushion grips for safety and comfort. All carry full one year guarantee. Has cross coil spring.

Stock No.	Fig.	Length	Description	Wt., oz.	EACH	
					1-4	5-Up
26 B 2900	1	6 1/2"	Electrician's Side Cutting Pliers	8	2.79	2.51
26 B 2901	2	8"	Electrician's Side Cutting Pliers	16	3.49	3.14
26 B 2908	3	6"	Long Needle or Snip Nose Pliers	6	2.54	2.29
26 B 2912	2	7"	Extra Long Chain Nose Cutting Pliers	6	3.62	3.27
26 B 2915	4	6"	*Long Nose Pliers	3	3.25	2.92
26 B 2902	5	4 1/2"	Diagonal "Oblique" Cutting Pliers	2	2.49	2.14
26 B 2903	5	5"	Diagonal "Oblique" Cutting Pliers	3	2.59	2.33
26 B 2904	5	6"	Diagonal "Oblique" Cutting Pliers	3	2.79	2.51
26 B 2910	6	6"	Long Chain Needle Nose Pliers	3	2.25	2.03
26 B 2909	6	6"	Long Chain Needle Nose Pliers	3	2.82	2.55
26 B 2913	7	5"	*Radio and Ignition Nose-Cutting Pliers	3	2.98	2.68
26 B 2916	8	7"	*Extra Fine Long Nose Pliers	3	2.99	2.69
26 B 2924	9	6"	Satin Finish Combination Pliers	5	.79	.71
26 B 2925	9	8"	Satin Finish Combination Pliers	9	1.09	.98
26 B 2926	9	6"	Satin Finish Thin Nose Combination Pliers	5	.89	.80
26 B 2905	10	4 1/2"	Diagonal Needle Point Cutting Pliers	2	2.74	2.47
26 B 2906	10	5"	Diagonal Needle Point Cutting Pliers	3	2.87	2.58
26 B 2907	10	6"	Diagonal Needle Point Cutting Pliers	3	3.42	3.08
26 B 2911	11	5"	Short Chain Needle Nose Cutting Pliers	3	2.62	2.36
26 B 2914	12	5"	*Slim Nose Pliers	3	3.39	3.05
26 B 2917	13	4 1/2"	*Needle Point Diagonal Flush Cut Pliers	6	3.45	3.10
26 B 2927	14	10"	Tongue-N-Groove Utility Pliers	16	2.49	2.24

KNIGHT Jeweler's Plier Set

Five precision 4 1/2" pliers (also sold individually—see table below) in leatherette case. Made of fine grain tool steel. Have vinyl cushion grips. Fig. 16 for end cutting. Fig. 15 for close cutting. Figs. 17, 18, 19 have smooth jaws. Wt., 1 1/4 lbs. (Av. indiv. wt., 5 oz.)

26 B 2918, 1-2 Sets.....Each 13.95
3 Sets-Up.....Each 12.95

INDIVIDUAL PLIERS

Stock No.	Fig.	Description	EACH	
			1-2	3-Up
26 B 2919	15	Diagonal Cutter	2.65	2.38
26 B 2920	16	End Cutter	2.98	2.68
26 B 2921	17	Chain Nose	2.38	2.14
26 B 2922	18	Flat Nose	2.49	2.24
26 B 2923	19	Round Nose	2.49	2.24



With
Sturdy
Rock
\$5.95



With
Roll-Up
Pouch
\$8.95

3-Piece Nutdriver Set

7 hex drivers, 3/8" to 1/2", in supporting rack. Color-coded handles, with nickel-chrome plated drivers. Made of drop forged tool steel, heat treated for maximum hardness. Shafts 6 1/4", except 6 3/4" on 1/8" and 1/4" drivers. Shpg. wt., 1 1/4 lbs.

26 B 1787.....5.95

15-Piece Nut-Screwdriver Set

Individual holders in pouch marked for shaft size—rolls to 3x8". Has: molded plastic handle; 5" extension; 7 hollow-shaft nutdrivers—3/8" to 1/2"; Nos. 1 and 2 Phillips; 1/8", 3/16", 1/4" slotted screwdrivers—precision-ground for accuracy. Shpg. wt., 1 1/2 lbs.

26 B 1788.....8.95

Moody Precision Tools



Precision Tiny Tool Set

36 Pieces \$14.95 • 6 Different Sets • Leather-Like Case

6 different sets, each with its own chuck handle, plastic case, 4 screwdrivers (.05", .07", .08", .1") 1" awl; 2 Phillips screwdrivers (#0, 1); 3 Allen wrenches (#4, 6, 8); OE-5 open-end wrench set and TS-5 tap set, see left; SW-5 socket wrench set (nonmagnetic); 5 matching tap drills. Leather-like case. Shpg. wt., 2 lbs.

26 B 2022.....14.95



SC-5 Screwdriver Set. .055", .070", .080", .100". Awl. Chuck handle. Plastic case. 5 oz.

26 B 1152.....Per Set 1.29

OE-5 Open-End Wrench Set. Offset. Steel. Chuck handle 3/4", 7/8", 1", 1 1/4", 1 1/2", 1 3/4", 2". Plastic case.

26 B 1126. Wt., 5 oz. Per Set 1.64

TS-5 Tiny Tap Set. Sizes: 0-80, 1-72, 2-56, 3-48, 4-40; handle.

26 B 1647. Wt., 5 oz. Per Set 4.95

BW-5 Magnetic Socket Wrench Set. Magnetized handles. 5/16", 3/8", 1/2", 5/8", 3/4", 1", 1 1/4", 1 1/2", 1 3/4", 2". Case. 2 1/2"x4 1/2"x3 1/2". Wt., 1/2 lb.

26 B 2021. Wt., 5 oz. Per Set 2.59

JS-6 Jeweler's Screwdriver Set. Set has six precision-made jeweler's drivers in a sturdy case. With heat-treated steel blades, knurled handles. Chuck noses are grooved to key blade size to user's touch. Blade sizes are: .025", .040", .055", .070", .080" and .1". Case. 1/2"x4 1/2"x3 1/2". Wt., 1/2 lb.

26 B 1384.....Per Set 2.89

Tap and Die Sets, Chassis Punches, Drill Bits



Ace 40-Piece Tap and Die Set

\$26.50

- Includes All Popular Sizes
- Hi-Tempered Alloy Steel
- Unbreakable Plastic Case

\$5 monthly

A complete set of taps and dies, plus all essential accessories in a compact storage case. Designed to delight any mechanic, hobbyist or householder. Contains all popular sizes.

Consists of one each, tap and die: 4-36, 6-32, 8-32, 10-24, 10-32, 12-24 (Machine Screw Standard); 1/4-20, 5/16-18, 3/8-16, 7/16-14, 1/2-13 NC (U.S. Standard); 1/4-28, 5/16-24, 3/8-24, 1/2-20, 5/8-20 NF (S.A.E. Standard); 1/2" pipe.

Also includes die stock, tap and reamer wrench, "T" tap wrench, screwdriver, and pitch gauge. All parts of this set are made of high-tempered alloy steel. Unbreakable plastic case with recessed pocket for each part is included. Shpg. wt., 4 lbs.

26 B 1391. \$5 Monthly..... 26.50

Greenlee Chassis Punches



Type 730 Round Punch. Cuts holes in chassis, cabinets, panels. Cuts up to 16-gauge metal, bakelite, hard rubber. 1 1/2 lbs.

Stock No.	Hole Size	Lead Size	EACH
26 B 1337	1/8"	1/8"	2.55
26 B 1349	3/8"	3/8"	2.55
26 B 1306	1/16"	1/16"	2.55
26 B 1340	3/4"	3/4"	2.55
26 B 1342	7/8"	7/8"	2.55
26 B 1343	1"	3/4"	2.84
26 B 1344	1 1/8"	3/4"	2.94
26 B 1347	1 1/4"	3/4"	2.94
26 B 1327	2"	3/4"	7.35

Ball-Bearing Drive Screws. Minimize effort needed to operate all chassis punches. Reduce drive screw and punch friction. 1 lb.
26 B 1604. AV322-BB. 1 1/8" to 1 1/2"..... 1.03
26 B 1605. AV112-BB. 1" to 1 1/2"..... 1.13
26 B 1169. AV304-BB. 2" punch..... 2.69

Replacement Cap Screws. For all punches. 4 oz.

Stock No.	Size	For Punch Size	EACH
26 B 1376	1/4"	1/2" and 3/4"	.29
26 B 1378	3/8"	1/2" to 1"	.29
26 B 1336	3/8"	1" to 1 1/4"	.34



A Big 25-Piece Set for General-Purpose Use \$14.95

Sizes Most Often Used in Radio Work



B \$7.95



C With Plastic Pouch \$1.98

A 25-Pc. Tap, Die Set

Model S4G. Includes: one each, plug tap, die: 1/4-20, 5/16-18, 3/8-16, 1/2-14, 1/2-13 NC; 1/2-28, 5/8-24, 3/4-24, 1/2-20, 1/2-20 NF; 1/2" dia. Hardwood carrying case; fitted compartments for each part.

26 B 1289. Wt., 4 lbs..... 14.95

B Radio Tap, Die Set

Model 21. A 13-pc. set for radio servicemen experimenters, engineers. Consists of 1 each, plug tap and die: 6-32, 8-32, 10-24, 12-24, 1/4-20; plus offset tap and reamer wrench. Solid dies, 1" in dia. Adjust. stock guide. High-carbon tempered steel. With case.

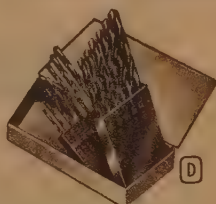
26 B 1318. Wt., 3 lbs..... 7.95

C Ace Screw Extractor Set

Model S35P. Handy tool set makes it easy to remove broken screws, bolts and studs. Use with any 1/4-inch drill. Set includes extractor numbers 1-2-3-4-5. Supplied in compact plastic pouch. Shpg. wt., 5 oz.

26 B 2848..... 1.98

Values In Precision High-Speed Drill Bits



D 12-Drill Set. Sizes from 1/16 to 1/4 inches in 64ths. Includes center punch. With plastic case. Shpg. wt., 9 oz.

26 B 3238..... 4.49

13-Drill Set. 1/16 to 1/2 inches in 32nds. Over 1/4" have 1/4" shank. With plastic case and center punch. Shpg. wt., 3 lbs.

26 B 3239..... 8.95

29-Drill Set. 1/16" to 1/2" in 64ths. Metal index case. Wt., 6 lbs.

26 B 3242. \$5 Monthly..... 24.99

20-Drill Set. Sizes 61 to 80. Metal index case. Shpg. wt., 4 lbs.

26 B 3243..... 8.95

60-Drill Set. Above, sizes 1 to 60.
26 B 3244. 1 1/4 lbs. \$5 Mo..... 19.99

E Masonry Set. 1/4", 5/16", 3/8", 1/2". Sizes over 1/4" have 1/4" shanks. Shpg. wt., 5 oz.

26 B 3248..... 2.95

F Miniature Set. Twenty drills from No. 61 (.039") to No. 80 (.0135"). Shpg. wt., 6 oz.

26 B 2842..... 7.95



G General Hardware Circle Cutters. Simple and safe to use. Have round shanks to fit drill press, or square shank to fit hand brace. Removable pilot drill keeps circle cutter centered at all times. Cuts wood, plastic, steel. Wt., 8 oz.

Stock No.	Shank	Hole Size	EACH
26 B 1245	Round 1/4"	1/4-4"	1.86
26 B 1246	Square	1-6"	2.30
26 B 1247	Round 3/8"	1-6"	2.30
26 B 1224	Round 1/2"	1-6"	2.30
26 B 1225	Round 1/2"	1 1/4-8"	4.74

26 B 1248. Extra Blades for Circle Cutters. Replacement blades fit all circle cutters listed above. Av. shpg. wt., 4 oz..... Each 52¢

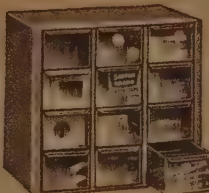
Drill Bits. Precision ground high-speed drill bits measure from 1/16" to 1/2". All sizes over 1/4" have 1/4" shanks. *Drill size. Av. wt., 3 oz.

Stock No.	EA.	Stock No.	EA.
26 B 1756 1/16"	.18	26 B 1765 3/4"	.42
26 B 1756 1/8"	.19	26 B 1766 1/2"	.51
26 B 1759 3/8"	.20	26 B 1767 1/4"	.52
26 B 1760 1/2"	.22	26 B 1768 1/8"	.55
26 B 1761 1/4"	.29	26 B 1611 3/8"	.85
26 B 1762 3/4"	.30	26 B 1612 1/2"	1.22
26 B 1763 1/2"	.35	26 B 2998 1/4"	1.65
26 B 1764 3/4"	.37	26 B 1614 1/2"	1.94

Small-Parts Storage Cabinets, Assorted Hardware



12-Drawer Cabinet
\$431



Low As
\$299



\$31.95 \$5
monthly

Equipto Metal-Drawer Cabinet

No. 11. Ideal for servicemen or home workshop for small parts storage. Heavy-duty all-steel frame. Each drawer has two removable cross-dividers adjustable in 1" intervals, for easy segregation of small parts.

Jamproof drawers have large, easy-to-grasp handles. Each drawer has label holder for quick identification—allows convenient fingertip accessibility. Overall size, 13 $\frac{3}{4}$ x34x12". Cabinets may be stacked. Wt., 62 lbs.
26 B 3705 Z. \$5 Monthly. 31.95

Deep-Drawer Steel Cabinets

12 Drawers. Each drawer takes articles up to 2" high. Visible storage unit ideal for workshop, sewing room or hobby center. Clear-plastic drawers 2x2 $\frac{3}{4}$ x5 $\frac{1}{2}$ ", each with label and divider. Overall size, 9x10x6". Less contents shown. Shpg. wt., 4 $\frac{1}{2}$ lbs.
26 B 1740 X. 4.31

16 Drawers. Similar to above, but with 4 additional drawers. Less miscellaneous contents shown. Overall size 9x13x6". Shpg. wt., 6 lbs.
26 B 2502 X. 5.63

Rugged Steel-Frame Cabinets

All-steel welded frames. Clear-plastic drawers, 2 $\frac{1}{2}$ x5 $\frac{1}{2}$ x1 $\frac{1}{4}$ ". Adjustable divider locks in place; safety tab prevents accidental spilling. Baked enamel silver-gray hammertone finish. Labels and one divider per drawer. Cabinet depth, 6". Less contents shown.

Stock No.	No. of Drawers	Size, H & W	Wt., Lbs.	EA.
26 B 1738 X	12	6 $\frac{1}{2}$ x10"	4	2.99
26 B 1739 X	18	9 x 10"	5 $\frac{1}{2}$	4.31
26 B 1780 X	24	9 x 13"	7	5.63
26 B 1975 X	48	18 x 13"	13	11.25

Vicheck Polystyrene Strong, Lightweight Clear Plastic Storage Boxes

Stock No.	Type	Compartments Size	Overall Size	Lbs.	EA.
26 B 2375	P250	1 $\frac{5}{8}$ x3 $\frac{3}{8}$ "	6 $\frac{1}{4}$ x4x1 $\frac{1}{8}$ "	—	.38
26 B 2378	P203	6 1 $\frac{1}{4}$ x3 $\frac{3}{8}$ "	8 $\frac{1}{4}$ x4 $\frac{1}{2}$ x1 $\frac{1}{8}$ "	1 $\frac{1}{2}$	.51
26 B 2379	P210	9 5 $\frac{1}{8}$ -1 $\frac{3}{4}$ x1 $\frac{1}{8}$ "	7x3x4x1 $\frac{1}{4}$ "	1	.37
26 B 2380	P201	12 6 $\frac{1}{4}$ -1 $\frac{1}{4}$ x1 $\frac{1}{8}$ "	8 $\frac{1}{4}$ x4 $\frac{1}{2}$ x1 $\frac{1}{8}$ "	1 $\frac{1}{2}$	.51
26 B 2381	P612	12 6 $\frac{1}{4}$ -1 $\frac{1}{4}$ x1 $\frac{1}{8}$ "	11x6 $\frac{1}{2}$ x1 $\frac{1}{4}$ "	2	1.22
26 B 2094	P812	12 2x3 $\frac{1}{2}$ x2 $\frac{1}{8}$ "	13 $\frac{1}{4}$ x9x2 $\frac{1}{4}$ "	1	1.95
26 B 2382	P200	18 1 $\frac{1}{4}$ x1 $\frac{1}{4}$ "	8 $\frac{1}{4}$ x4 $\frac{1}{2}$ x1 $\frac{1}{8}$ "	$\frac{3}{4}$	.51
26 B 2383	P618	18 1 $\frac{1}{4}$ x1 $\frac{1}{4}$ "	11x6 $\frac{1}{2}$ x1 $\frac{1}{4}$ "	2 $\frac{1}{2}$	1.28
26 B 2384	P818	12-2x2 $\frac{1}{2}$ "	13 $\frac{1}{4}$ x9x2 $\frac{1}{4}$ "	3	1.95
26 B 2385	P824	24 2x2"	13 $\frac{1}{4}$ x9x2 $\frac{1}{4}$ "	3 $\frac{1}{2}$	2.03
26 B 2095	P166	36 1 $\frac{1}{2}$ x1 $\frac{1}{2}$ x1 $\frac{1}{8}$ "	10x7x1 $\frac{1}{8}$ "	3 $\frac{1}{2}$	1.35

All-plastic hinged-top with 1 to 36 compartments for storing small parts or hardware. Rigid, lightweight, scratch-resistant, easy to clean. Strong hinge design. P250 has removable cover. *No. of compartments per box.

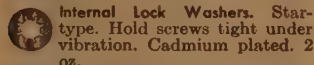


G-C Hardware Assortments for Everyone—Technician, Home Owner, Hobbyist



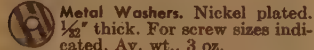
Tinned Soldering (and Solderless) Lugs. Fig. A or B may be crimped, used as solderless lugs. No. 8 holes take no. 6 screws. Av. shpg. wt., 3 oz.

Stock No.	Hole Size	Luth.	Fig.	Quantity	PER PKG.
26 B 2691	No. 6	$\frac{1}{16}$ "	A	25	.35
26 B 2692	No. 6	$\frac{3}{16}$ "	A	25	.35
26 B 2693	No. 6	$\frac{1}{8}$ "	C	30	.35
26 B 2694	No. 6	$\frac{1}{4}$ "	D	30	.35
26 B 2695	No. 8	$\frac{3}{16}$ "	D	30	.35
26 B 2696	No. 6	$\frac{1}{16}$ "	B	25	.35
26 B 2697	No. 8	$\frac{1}{16}$ "	B	25	.35



Internal Lock Washers. Star-type. Hold screws tight under vibration. Cadmium plated. 2 oz.

Stock No.	Screw Size	O. D.	Quantity	PER PKG.
26 B 2703	No. 2	.....	35	.35
26 B 1163	No. 4	.....	50	.35
26 B 1196	No. 6	$\frac{3}{16}$ "	50	.35
26 B 1197	No. 8	$\frac{3}{16}$ "	50	.35
26 B 1198	No. 10	$\frac{3}{16}$ "	45	.35



Metal Washers. Nickel plated. $\frac{1}{16}$ " thick. For screw sizes indicated. Av. wt., 3 oz.



Binding-Head Machine Screws. Nickel plated steel. Extra-wide shoulder. Av. wt., 3 oz.

Stock No.	Size	Quantity	PER PKG.
26 B 2718	2-56x $\frac{1}{4}$ "	40	.35
26 B 2719	2-56x $\frac{1}{2}$ "	40	.35
26 B 2720	4-36x $\frac{1}{4}$ "	40	.35
26 B 2721	4-36x $\frac{1}{2}$ "	35	.35
26 B 2722	4-36x $\frac{3}{4}$ "	35	.35
26 B 2723	4-40x $\frac{1}{4}$ "	40	.35
26 B 2724	4-40x $\frac{1}{2}$ "	35	.35
26 B 2726	6-32x $\frac{1}{4}$ "	35	.35
26 B 2727	6-32x $\frac{1}{2}$ "	30	.35
26 B 2728	8-32x $\frac{3}{4}$ "	25	.35



Round-Head Machine Screws. Nickel-plated steel with slotted round heads. Av. shpg. wt., 3 oz.

Stock No.	Size	Quantity	PER PKG.
26 B 2709	2-56x $\frac{1}{4}$ "	40	.35
26 B 2710	2-56x $\frac{1}{2}$ "	40	.35
26 B 1166	4-36x $\frac{1}{4}$ "	40	.35
26 B 1167	4-36x $\frac{1}{2}$ "	35	.35
26 B 2711	4-40x $\frac{1}{4}$ "	40	.35
26 B 1170	6-32x $\frac{1}{4}$ "	40	.35
26 B 1171	6-32x $\frac{1}{2}$ "	30	.35
26 B 1173	6-32x $\frac{3}{4}$ "	30	.35
26 B 2715	8-32x $\frac{1}{2}$ "	25	.35
26 B 2717	8-32x1"	20	.35
26 B 1175	10-32x $\frac{1}{2}$ "	20	.35



Hex-Head Sheet Metal Screws. Nickel-plated, slotted, self-tapping. Pointed type "A." Av. wt., 2 oz.

Stock No.	Size	Quantity	PER PKG.
26 B 1176	4x $\frac{1}{2}$ "	35	.35
26 B 2737	6x $\frac{1}{4}$ "	30	.35
26 B 2738	6x $\frac{1}{2}$ "	25	.35
26 B 2739	6x $\frac{3}{4}$ "	25	.35
26 B 2741	8x $\frac{1}{2}$ "	20	.35



Hexagon Nuts. Nickel plated steel resists oxidation. Free of burrs. Av. shpg. wt., 3 oz.

Stock No.	Thrd	Width	Thick-ness	Quantity	PER PKG.
26 B 2742	2-56	$\frac{3}{16}$ "	$\frac{1}{16}$ "	30	.35
26 B 1186	4-36	$\frac{1}{4}$ "	$\frac{1}{16}$ "	30	.35
26 B 2744	4-40	$\frac{1}{4}$ "	$\frac{1}{16}$ "	30	.35
26 B 1188	6-32	$\frac{1}{4}$ "	$\frac{1}{16}$ "	30	.35
26 B 1193	8-32	$\frac{1}{4}$ "	$\frac{1}{16}$ "	30	.35
26 B 1187	10-32	$\frac{3}{8}$ "	$\frac{1}{16}$ "	30	.35



Black Rubber Grommets. Soft rubber. Fit chassis up to $\frac{1}{16}$ ". Av. wt., 2 oz.

Stock No.	Mtg. Hole	Inner Dia.	Overall Dia.	Quantity	PER PKG.
26 B 1212	$\frac{1}{4}$ "	$\frac{1}{8}$ "	$\frac{1}{16}$ "	16	.35
26 B 1213	$\frac{3}{16}$ "	$\frac{3}{16}$ "	$\frac{3}{16}$ "	14	.35
26 B 1214	$\frac{1}{2}$ "	$\frac{1}{2}$ "	$\frac{1}{2}$ "	12	.35
26 B 1215	$\frac{3}{4}$ "	$\frac{3}{4}$ "	$\frac{3}{4}$ "	10	.35
26 B 2708	$\frac{1}{2}$ "	$\frac{1}{2}$ "	$\frac{1}{2}$ "	8	.35



Hanging
Shelves
E \$498

40-Drawer
Cabinet
B \$1495

Low
As
A \$498
Steel Shelving
Storage Rack

C \$1995

2x5 ft.
Workbench



With
Pegboard

D \$1595 less
drawer

Shelving, Storage Equipment and Workbenches from EDSAL

A All-Steel Storage Racks

Medium-weight shelves hold up to 300 lbs., can be adjusted on $1\frac{1}{2}$ " centers. 8 bolts per shelf. Rust resistant.

- 26 B 3262 X. 4-Shelf Unit. 60x30x12" overall. Wt., 19 lbs.4.98
26 B 3263 X. 5-Shelf Unit. 66x20x12" overall. Wt., 22 lbs.5.95
26 B 3256 X. 5-Shelf Unit. 73x36x12" overall. Wt., 32 lbs.7.29
26 B 3257 X. 5-Shelf Unit. 73x36x18" overall. Wt., 41 lbs.9.29
26 B 3264 X. Extra Shelf for 60" and 66" units. Wt., 2 lbs.1.49
26 B 3258 X. Extra Shelf for 73x36x12" units. Wt., 3 lbs.1.59
26 B 3259 X. Extra Shelf for 73x36x18" unit. Wt., 6 lbs.1.89

B Multi-Drawer Cabinets

40-Drawer Cabinet. Holds everything from small tools to electronic components. Features 32 big 4x11" and 8 jumbo-sized 8x11" drawers. One-piece drawers of sturdy corrugated-board construction. Special stop-tab keeps drawers from being pushed in or pulled out too far. All-steel frame 37x36x12". Shpd. knocked-down.
26 B 2145 K. Wt., 37 lbs.14.95

15-Drawer Cabinet. Similar to above, but with 12 drawers $4\frac{1}{2}$ x4x11", 3 drawers $4\frac{1}{2}$ x4x11". Overall size: 26x21x12". Shpg. wt., 24 lbs.
26 B 2470 K.6.98

Steel-Frame Benches

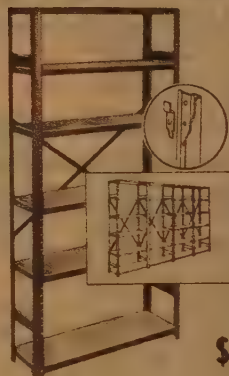
C 2x5-Ft. Deluxe Workbench. Features a full 10 square feet of working space. Can support over 200 lbs. Has strong 1" No-Mar top and sturdy one-piece heavy-gauge welded steel legs that take rough use in stride. Accommodates two drawers (not included, listed below). Work surface $34\frac{1}{2}$ " from floor. Gray baked enamel steel parts fight rust. Knocked down to cut shipping charges. Shpg. wt., 76 lbs.
26 B 2563 Z. \$5 Monthly.19.95

D 2x4-Ft. Workbench. Full-length pegboard tool and parts rack with enough room for a complete tool assortment. Has space for two storage drawers (not included, listed below). Work surface is $34\frac{1}{2}$ " from floor. Gray enamel finish. Knocked down.
26 B 1523 Z. Shpg. wt., 70 lbs.15.95

Steel Storage Drawer. Easily attached to either workbench, listed above. Gray enamel finish. 3x12x20" deep. Shpg. wt., 12 lbs.
26 B 1524 X.3.19

E Steel Hanging Shelves

A heavy-duty, all-steel hanging shelf for off the floor storage in garages, basements, workshop areas. Quickly assembled and hung on easy-to-mount wall brackets. Gray baked enamel finish. 12x30x25" high.
26 B 1942 K. Wt., 16 lbs.4.98



"Kwik-Klip"
Speeds
Assembly

Deluxe
Shelves
Hold Up
to 500
Lbs. Each

Low
As
\$995

Deluxe All-Steel Racks

All-purpose utility racks with hundreds of practical applications in home or industry. Assemblies with simple hand tools—just bolt tops and bottoms together. "Kwik-Klip" fasteners secure the shelves to the frame, making each shelf completely and individually adjustable. Mounting holes in posts are at convenient 1" intervals. Each heavy-duty shelf supports up to 500 lbs. Rack has 5 shelves with upright brackets. Overall height: 75", width 36". Finished in rust resistant Gray enamel.

- With 12" Deep Shelves.9.95
26 B 1783 U. Wt., 47 lbs.
26 B 1784 Z. With 18" Deep Shelves. Shpg. wt., 60 lbs.11.95
26 B 1781 X. 12" Shelf. 6 lbs.1.49
26 B 1782 X. 18" Shelf. 8 lbs.1.99

PARK Boxes for Parts and Tools

A 3-Drawer Machinists Chest

P-23N. Drawers have full-suspension slides; lock when cover is closed. Pushing drawer closed locks drawer even if cover is closed. 4" high till in top for large tools. Drawers are each 1½" high. Full-length hinge. Electrically welded. Silicone-treated baked green finish. 10½x20x8½". 18 lbs.

26 B 2506 X.....12.95

P-22. As above, 2 drawers 9¼" high. 26 B 2149 X. Wt., 16 lbs.11.95

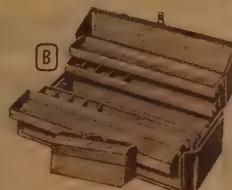


B 4-Tray Tool Box

2180. Four cantilever-mounted trays, 2 partially-partitioned. Storage space below trays. Welded seams, integral full-length hinge. 2 draw-bolts plus padlock eye. 10x21x8½". Silicone-treated baked green. 13½ lbs.

26 B 2144 X.....11.95

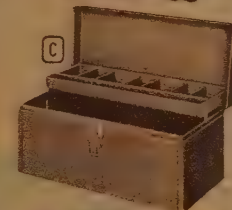
26 B 1774 X. 1780. As above, but 10x17x8½". 11 lbs.10.95



C Mechanics Tool Box

18-C. Partitioned cantilever tray for small parts, and space for tools below tray. Integral full length hinge. Sturdy drawbolt can be padlocked. Baked green enamel. 8x18x9". Shpg. wt., 9 lbs.

26 B 3150 X.....5.95



D Tote-Tray Tool Box

18-H. Hip-top tool box has lift-out tote tray with socket partition and tubular handle. Plenty of storage room below tray. Integral full length hinge, electronically-welded. Drawbolt can be padlocked. Silicone treated baked green enamel. 9x18x8". Wt., 9 lbs.

26 B 3151 X.....5.95



\$295 Full-Length
Integral
Hinge

Utility Tool Box

Type 132. All-purpose utility box for tackle, tools, hobbies, sewing. Two cantilever trays —top tray partially partitioned. All edges turned. Extra-strong electrically welded hinges. Rust-resistant baked enamel finish. 5½x13½x6½". Wt., 5 lbs.

26 B 3152 X.....2.95

Type 131. Similar box to above but with one tray. 4½x13½x6½". 3 lbs.

26 B 3153 X.....1.95



\$349 All-Metal
Welded
Construction

15" Utility Tray Box

Type 151-T. Handy case for small hand tools. Has convenient lift-out tote tray. Has plenty of room below for larger items. Constructed of heavy-gauge steel, with integral full-length hinge, sturdy one-piece hardware, strong clasp lock. All edges turned, electrically welded. Durable silicone-treated baked enamel finish resists rust and rough handling. 4½x15x6½". Shpg. wt., 4½ lbs.

26 B 3660 X.....3.49

Heavy-Duty Machinists Chest

\$2995

\$5 monthly

- Built to Last a Lifetime
- Ten Felt-Lined Drawers
- Pin-Tumbler Chest Lock

Model 1000. Stores, protects precision tools. Ideal for machinists, electronics and automotive workers. Full-suspension drawer slides allow full extension; drawers remove for cleaning. Removable front panel locks when cover is closed, stores in bottom compartment when open. One-piece drawbolts, plus pin tumbler lock. Till in top, 4x20x8½". 6 drawers are 1x8½x7½". 4 others: 2x8½x7½"; 1½x18½x7½"; 2½x18½x7½"; 3x18½x7½". Electrically welded heavy-gauge steel. Brown baked enamel finish. 17½x20x8½". Shpg. wt., 40 lbs.

26 B 2507 K. \$5 Monthly.....29.95

26 B 2508 K. 700. As above, but has 7 drawers. 4 drawers are 1x8½x7½". 3 others: 2x8½x7½"; 1½x18½x7½"; 2½x18½x7½". Size, 13½x20x8½". Wt., 30 lbs.26.95

VLCHEK "Crushproof" Plastic Tool Boxes



Guaranteed
Unbreakable—
Won't Dent, Warp,
Crack or Peel

Low
As **\$298**

Model 1212. Lightweight, 2-tray, 14-compartment case. Top and bottom open flat, can't tip; trays raise automatically with lid. Unbreakable polypropylene. Rustproof hardware. Green. 6x12½x7". Shpg. wt., 2½ lbs.

26 B 1772 X.....3.98

Model 1211. As above, but smaller. One tray. Green. 4½x12½x7". Shpg. wt., 2 lbs.

26 B 3156 X.....2.98

Tapewriters® — for Home and Office



Deluxe Metal Tapewriter Outfit

\$19⁹⁵

\$5 monthly

VERTICAL

1/4 TAPE

3/8 TAPE

Low-Cost Kit with Plastic Labelmaker



1/4 TAPE

3/8 TAPE

Embosses Both 1/4" and 3/8" Tapes **\$9⁸⁸**

Model M-6. For office, workshop or home use. Makes raised-letter labels that are self-adhesive, permanent and waterproof. Just dial each letter, number, or symbol and squeeze the handle. When finished, squeeze trigger to snap off label. Kit includes: high-impact plastic embossing tool, two wheels for large and small characters, three 3/8" and two 1/4" rolls of tape, plus case. (See extra tapes below.)

26 B 3183. Shpg. wt., 1 1/2 lbs. 9.88

26 B 3184. Tool Alone. Shpg. wt., 10 oz. 6.88



\$34⁹⁵ \$5 monthly

Deluxe Kit Embosses 3/8" and 1/2" Tapes

M-20. For versatility and large-tape jobs. Includes precision-made embossing tool, 3 wheels, five 3/8" and five 1/2" tapes, carrying case. Wheel for 3/8" tape embosses basic-size letters, 1/2" wheel for giant letters. 3rd wheel embosses letters vertically!

26 B 3185. Wt., 4 lbs. \$5 Monthly. 34.95

26 B 3186. Tool Alone. Shpg. wt., 2 1/2 lbs. 24.95

New "Executive" Tapewriter Kit

\$29⁹⁵ \$5 monthly



Compact Tapewriter for desk-top use takes 1/4" or 3/8" vinyl tape in new 36-ft. "Economy" magazines. Features variable letter spacing and handy side-mounted knob for fast, easy operation. Kit also includes two wheels which give choice of small or large letters. 5x6 1/2". Kit includes 3 tape rolls, 2 wheels.

26 B 2338. Shpg. wt., 10 lbs. \$5 Monthly. 29.95

26 B 2339. Tool Alone. Shpg. wt., 8 lbs. 19.95



Your Choice

\$3⁸⁸ 1/4" or 3/8"

Budget-Line Labelmakers

Perfect for light-duty embossing work. 6 1/2" Cyclocac-plastic body is extremely resistant to breakage and chipping. Embosses 40 different characters. Choice of model with 1/4" or 3/8" wheel. Order tape from listing below. 10 oz.

26 B 2142. M-4. For use with 1/4" tape (below) 3.88

26 B 2803. M-38. For use with 3/8" tape (below) 3.88

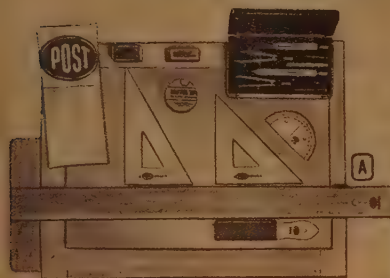
Genuine DYMO Label-Making Tape for All Tapewriters on This Page

Stick to almost any clean, smooth surface. Can even be used outside; hold-up well in all weather. In solid and gold-

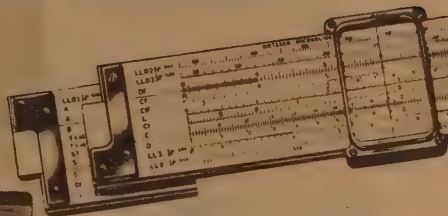
striped colors. Colors (not size) may be assorted for extra savings. Av. shpg. wt., 1 oz.

Stock No.	Tape Size	Use With Labelmaker	Ft.	Type	Colors—Be Sure to Specify Choice	EACH ROLL	
						1-2	3-Up
26 B 2473 C	1/4"	M-4, M-6, M-10, M-14	12	Solid	Clear, Red, Org., Blue, Grn., Yel., Brn., Blk., Gray, Gold, Walnut	.89	.75
26 B 1884 C	3/8"	M-6, M-10, M-14, M-20	12	Solid	Red, Org., Blue, Grn., Yel., Brn., Blk., Gold, Walnut	.99	.89
26 B 2017 C	3/8"	M-6, M-10, M-14, M-20	10	Stripe	Red, Blue, Grn., Brn., Blk. (gold edges)	1.35	1.19
26 B 1903 C	1/2"	M-20	12	Solid	Clear, Red, Org., Blue, Grn., Brn., Blk., Walnut, Yel., Gray	1.49	1.25
26 B 2009 C	1/2"	M-20	12	Stripe	Red, Blue, Grn., Brn., Blk. (gold edges)	1.79	1.59
26 B 2388 C	1/4"	Executive	36	Solid	Clear, Red, Org., Blue, Grn., Yel., Brn., Blk., Gray, Gold, Walnut	1.49	1.25
26 B 2389 C	3/8"	Executive	36	Solid	Clear, Red, Org., Blue, Grn., Yel., Brn., Blk., Gray, Gold, Walnut	1.79	1.59

Drawing Sets, Slide Rules and Templates



**POST
Complete
Drafting
Outfits**



**Dietzgen Precision
Slide Rules**

- Deluxe Construction
- Precision Graduations
- Smooth Operation

**Low-Cost
Outfit
\$14.95**

**Deluxe Outfit
\$19.95
\$5 monthly**

- A Drawing Set Instrument Set Outfit.** *Drawing Set:* 16x21" board; 21" wood T-square; 8" 30° and 6" 45° triangles; 4" plastic protractor; lead pointer; "Pink Pearl" eraser; art gum eraser; 24 sheets 12x18" paper, case. *Instrument Set:* 4" bow compass-combination pen and pencil; 4" bow divider; 5/8" plain divider; 5/8" combination friction compass with self-contained extension bar; 4 1/2" ruling pen; extra ruling pen handle for compass pen part; vial, extra leads, needle points, metal case. Instrument set from West Germany. Wt., 8 lbs.
26 B 1991 X. Complete Outfit. \$14.95
26 B 1992 X. Drawing Set Alone. Shpg. wt., 7 lbs. \$7.95
26 B 1993. Instrument Set Alone. Shpg. wt., 1 lb. \$7.95

- B Deluxe Drawing Set Instrument Set Outfit.** *Drawing Set:* 18x24" board; 24" wood T-square; architect's scale; 10" 30° triangle; 8" 45° triangle; curve; 5" plastic protractor; 2H, 4H pencils; lead pointer; tape; art gum eraser; 6 sheets 12x18" paper; erasing shield; Ames lettering guide; dusting brush; plastic case. *Instrument Set:* 6" and 4 1/2" bow compasses, pencil and divider parts, center wheel adjuster; 5/8" plain dividers with straightening device, leads, metal case. Nickel plated. W. Germany. Wt., 11 lbs.
26 B 2559 X. Complete Outfit. \$5 Monthly. \$19.95
26 B 2011 X. Drawing Set Alone. Shpg. wt., 10 lbs. \$12.95
26 B 2073. Instrument Set Alone. Shpg. wt., 1 lb. \$9.95

17341 Decimal Trig-Type Log Log 10" Micro-log® Wood Rule. Ten-inch mahogany with plastic face. Friction-free Teflon grooves for center slide. Engine divided. Fully adjustable. Red/black numbers. S, ST and T scales read degrees and decimals of degrees. Front: LL02, LL03, DF-CF, C/F, L, DI, C-D, LL3, LL2. Back: LL01, K, A-B, T<45, T>45, ST, S-D, DI, LL1. With conversion slip (conversion tables and trig-geometry formulae), leather case, and instructions. Shpg. wt., 1 1/4 lbs.
26 B 2283 S. \$5 Monthly. \$27.95

N-1725-L Vector Type Log Log 10" Slide Rule. Mahogany, plastic facings; friction-free Teflon grooves. Front: LL01, LL02, LL03, DF-CF, C/F, L, CI, C-D, LL3, LL2, LL1. Back: Th, Sh2, Sh1, A-B, T<45, T>45, ST, S-D, DI, K. With leather case and instructions. Shpg. wt., 1 1/4 lbs.
26 B 2279 S. \$5 Monthly. \$29.95

1738 Decimal Trig-Type Log Log Metal 10" Rule. Center-slide grooves held to close tolerances to provide just the right amount of friction for smooth operation. Light alloy. White facings with red numbers on reciprocal and complementary scales. Front: LL02, LL03, DF-CF, D/F, L, DI, C-D, LL3, LL2. Back: LL01, K, A-B, T<45, T>45, ST, S-D, DI, LL1. S, ST, T scales in degrees and decimals of degrees. Conversion slip, case, instructions. Shpg. wt., 1 1/4 lbs.
26 B 2275 S. \$24.95

1776 Pocket 6" Slide Rule. Convenient size. Scales: DF, CF, C/F, CI, D, C, L, K, A, B, T, ST, S, DI. Complete with case, clip and full instructions. Shpg. wt., 5 oz.
26 B 2280 S. \$5.95

POST Electronic Symbols Templates



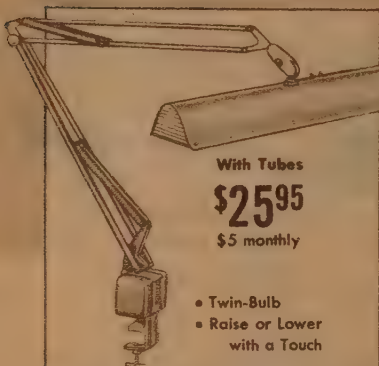
- C 2972R Electronics Symbols Template.** Plastic template has symbols for tubes, rectifier, crystal, resistors, capacitors, lamps (pilot, illuminated), meter, filament, connectors, plug, receptacle, transformers (standard, delta, Y), relay, coils, revisions, ground, battery, switch, pushbutton, wafer switch, antenna, fuse. Size, 5 1/2 x 9 1/4". Shpg. wt., 1 oz.
26 B 1957. \$3.60

- D 2972 1/2 D. Skts., meters, tubes, transistors, antennas, capacitors, chassis/ground, fuse, mike, spkr., batt. rectifiers, thermal overload, solenoids, heaters, rheostats, coils, transformers, plug. Size, 5x7".**
26 B 1956. Wt., 1 oz. \$2.69
E 2974R Wave Forms. Sine/variable, steady and fluctuating DC, modulated carrier. 5 1/2 x 8 1/4".
26 B 1972. \$2.69

- F 2973D Transistor Outlines.** Based on JEDEC standards. 27 cutouts, top and side views. 5 1/2 x 9 1/4". Wt., 1 oz.
26 B 1959. \$2.69

- G 2972 1/2 R Electronic Symbols.** Cathode, speaker, pushbutton, heater, ground, antenna, mike, switches, capacitors, ohm, resistance, fuse, batt., coils, outlets, aux. systems, pos./neg.
26 B 1958. Size 3x8 3/8". Wt., 1 oz. \$1.69

Adjustable Home and Office Lamps



With Tubes
\$25⁹⁵
\$5 monthly

- Twin-Bulb
- Raise or Lower with a Touch

Fluorescent Desk Lamp

Luxo FL-1. Twin-light fluorescent lamp that's ideally suited for use in any office or home where a large area of bright, cool light is necessary. Lamp can be raised or lowered with a slight touch... yet arms are spring-controlled and counter-balanced to stay in place. Lamp swivels full 360°; has 45" reach. Gray enameled metal finish. Eight-ft. cord. Two type T8 Fluorescent Tubes included. Order mounting bracket desired, at right. U.L. Listed. For 110-120 volts, 60 Hz AC. Shpg. wt., 9 lbs.

26 B 3166 X. \$5 Monthly. 25.95



\$33⁹⁵
\$5 monthly

A Luxo LFM-1 Fluorescent Magnifier Lamp. Has 5" magnifier ideal for miniature assembly, inspection, or reading fine print. Moves with a touch, stays in place. 360° swivel, 45" reach. Gray. With T9 tube. Order mtg. bracket below. U.L. Listed. 110-120 VAC, 60 Hz AC.
26 B 3169 X. Wt., 8 lbs. 33.95



\$25⁹⁵
\$5 monthly

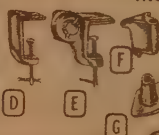
B Luxo LC-1 Combination Lamp. Has both incandescent and fluorescent lights... use together or separately. Ideal illumination for color art. 45" reach. 360° swivel. Gray. With T9 Tube. Less std. 60-watt bulb. Order mtg. bracket below. U.L. Listed. For 110-120 VAC, 60 Hz AC.
26 B 3167 X. Wt., 9 lbs. 25.95



\$16⁵⁰

C Luxo LB-1 Incandescent Lamp. Precision construction and exceptional flexibility. With "feather-touch" positioning—can be raised, lowered or turned by touch of finger. Spring-loaded arms stay put. 360° turn, 45" reach. Vented porcelainized shade for rapid heat dissipation. Gray finish. Less bulb. Mtg. bracket below. U.L. Listed. For 110-120 V, 60 Hz AC.
26 B 2096 X. Shpg. wt., 5 lbs. 16.50

Mounting Brackets for All Lamps Above



D Desk Clamp. For table or desk. Opens 2 1/4".
26 B 2992. Wt., 1 lb. 1.68
E Slanted Surface Clamp. Fits drafting board.
26 B 2995. Wt., 1 lb. 2.62

F Screw-Mount. For wall, other vertical surface.
26 B 2993. Wt., 1 lb. 1.68
G Screw-Mount. For desk, other level surfaces.
26 B 2994. Wt., 1 lb. 1.68



\$19⁹⁵
\$5 monthly

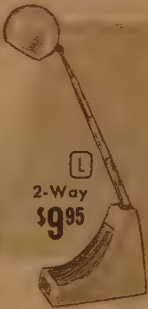
With Magnifier



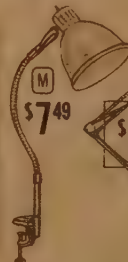
\$3⁹⁵



\$6⁹⁵



2-Way
\$9⁹⁵



\$7⁴⁹



\$27⁹⁵



\$12⁹⁵

Low-Voltage High-Intensity Lamps

Built-in Transformer Reduces Voltage for Cool, Glare-Free Light

H Lamp/Magnifier. Two-power magnifier has 7" focus; swivels vertically, rotates. Lamp also swivels, extends to 12". Each moves independently. Hi-Lo switch for 500 or 250 footcandles. With #1133 bulb.
26 B 1810. Shpg. wt., 2 1/2 lbs. 19.95

J Lowest Cost All-Purpose Lamp. Has 14" brass-plated-flexible gooseneck. "Sure-Kool" shade has inner reflector that rotates 360°. Walnut veneer on beige polystyrene base. 6-ft. cord. With #93 bulb.
26 B 3233. Shpg. wt., 2 lbs. 3.95

K Versatile Lamp with Night Light. Ideal for children's room. Hi-Lo-Off switch. 12" chrome-plated-steel folding arm; Walnut veneer inlay on beige polystyrene base. "Sure-Kool" shade. 6' cord. With #1141 bulb.
26 B 3231. Shpg. wt., 2 1/2 lbs. 6.95

L 2-Way Executive Lamp. Features 12" chrome-plated brass telescopic arm; 3-position switch. Walnut veneer inlay on white polystyrene base. Flocked white shade; inner reflector; rotates 360°. With #1133 bulb.
26 B 3230. Shpg. wt., 3 lbs. 9.95
26 B 3147. Replacement #93 Bulbs. Wt., 2 oz. Pkg. of 2 / 49¢
26 B 3148. #1141 Bulbs. Pkg. 2/69¢ 26 B 3149. #1133 Bulbs. Pkg. 2/49¢

"Swing-O-Life" Lamps

M Low-Cost Gooseneck Lamp. Flexible neck extends over 30" circle. Shade rotates to direct light. Neutral gray finish. With "C" mounting clamp for easy installation. Less incandescent bulb. For 110-120 V, 60 Hz AC. 5 lbs.
26 B 3174 X. 7.49

N Model BBM-9 Fluorescent Magnifier Lamp. Has 5" lens with 13" focus. Spring controlled, counterbalanced arm reaches 45". Gray. "C" clamp bracket. T9 tube included. For 110-120 V, 60 Hz AC. Shpg. wt., 10 lbs.
26 B 3175 U. \$5 Monthly 27.95

P Model BB45C All-Purpose Lamp. Spring-controlled arm extends 45"—adjusts with a touch. Vented shade. Gray. "C" clamp. Less incandescent bulb. For 110-120 V, 60 Hz AC.
26 B 3173 X. Shpg. wt., 5 lbs. 12.95

Portable Electric Power Plants



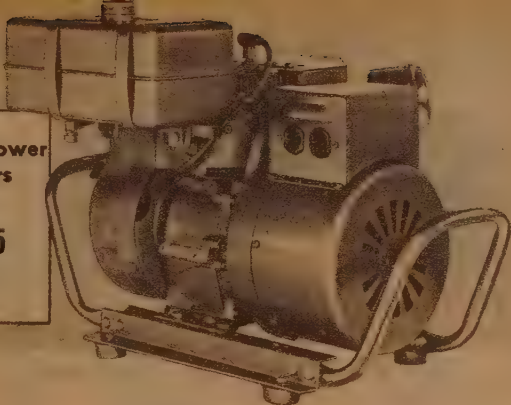
Weights
Only 12
Pounds

Emergency Power Alternators

1250 Watts

\$144.95

\$8 monthly



Feather-Weight Generator

350-Watt Output,
Both AC and DC

\$89.95

\$5 monthly

Tiny Tiger. Miniature gasoline-powered generator for instant electricity anywhere. 350 watts at 115 VAC or 12 amps at 12 VDC. So small you can carry it in your hand.

Charges batteries, operates electrical equipment in boats, cars, camps. A necessity in emergencies. One-hp engine runs at 6300 rpm, uses only 14 oz. of fuel per hour.

Runs 2½ hours with 30-minute cooling time. High-capacity magneto ignition; direct drive generator; spark arrester; muffler. All-metal construction. 10¼ x 8½ x 8½". Shpg. wt., 13 lbs.

B 3751 X. \$5 Monthly.....89.95

These 3600-rpm portable alternators provide emergency power with constant ±5% voltage regulation. Choice of eight models for 1250 to 5000-watt AC output. Lightweight revolving-field alternators have stationary stator coils, feature solid-state excitation; brushes carry only low-field excitation current. 25% reserve surge capacity. Heavy-duty long-life gasoline engines are easily serviced. Automatic recoil starter except 5000-watt, rope starter. Shock-mount design with exhaust muffler. 115-volt units have two polarized receptacles; dual-voltage units have additional 115-volt and 230-volt twist-locks. Rugged steel base frame, tubular steel handles. Fuel capacity, one gallon, except 5000-watt model, 1½ gallons. Manufactured to NEMA standards. Shpd. truck or express from factory in Oshkosh, Wisconsin. Exp. chgs. collected on delivery. No C.O.D. orders.

Stock No.	Volts	Watts	Rated Amps	Outlets-AC	Horse-power	Size HxWxD	Wt., Lbs.	EACH
26 B 3290 ZF	115	1250	10.9	2	3	18x24x19"	85	144.95
26 B 3291 ZF	115	1500	13.0	2	4	18x24x19"	87	179.95
26 B 3292 ZF	115	1750	15.2	2	4	18x24x19"	87	199.95
26 B 3293 ZF	115/230	2500	21.7	10.9	2	18x24x19"	99	279.95
26 B 3294 ZF	115/230	3000	26.1	13.0	3	18x28½x18"	148	319.95
26 B 3295 ZF	115/230	3500	30.4	15.2	3	18x28½x18"	148	339.95
26 B 3296 ZF	115/230	4000	35.0	17.5	3	18x28½x18½"	158	379.95
26 B 3297 ZF	115/230	5000	43.5	21.8	3	24½x31x20½"	200	419.95

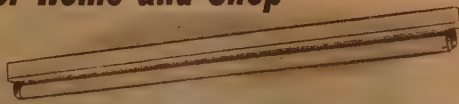
Fluorescent Fixtures For Home and Shop



Canopy-Style Fixture. Rapid-start fixture includes 6-ft. SJ power cord and pull-chain switch. Plugs into existing outlet, no wiring to do. With two 40-watt 48" fluorescent tubes. Has high power factor. Also includes knock-outs for wiring connectors. White enamel finish. U.L. Listed. 13x4½x48" long.

26 B 1922 X. Shpg. wt., 15 lbs.....13.95

26 B 2546 X. Two-Tube Rapid-Start Fixture. As above, but without SJ power cord or switch. Shpg. wt., 15 lbs.....12.95



Strip Light Fixtures. Easy to install, with starter and fluorescent tube. White baked enamel. Normal power factor. U.L. Listed. †Rapid start type. *With 2 tubes.

Stock No.	Mfr's Type	Watts	Length	Wt. Lbs.	EACH
26 B 2547 X	S-120	20	25"	4	3.69
26 B 2548 X	S-140	40	49"	6	5.49
26 B 1919 X	S-140†	40	49"	6	6.50
26 B 1920 X	S-240†	(2)40*	49"	12	11.95

A Circle-Style Ceiling Fixture. Chromed. Extends 3-4" below ceiling. Use with wall switch. With rapid-start tubes. U.L. Listed. 115 VAC. 26 B 3235 X. With 8" 32-Watt and 12" 40-Watt Tubes. Wt., 10 lbs. 14.95

26 B 2584 X. With 8" 22-Watt and 12" 32-Watt Tubes. Wt., 8 lbs. 12.95

26 B 3234 X. With One 12" 32-Watt Tube. Shpg. wt., 6 lbs.....8.95

B 15-Watt Pin-Up Strip Lamp. Easy to install anywhere. 2x1½x20¾".

With tube, 6-ft. cord, plug AC outlet, switch. U.L. Listed. 115 VAC.

26 B 1923 X. Shpg. wt., 3 lbs.....5.95

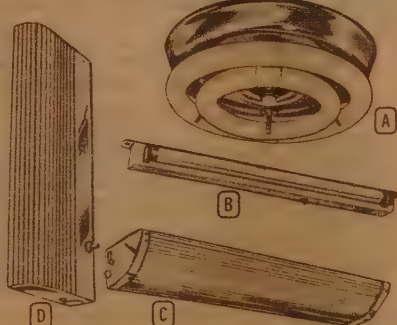
C 20-Watt Diffuser Fixture. Ribbed plastic diffuser gives soft, even illumination. Chromed end caps. 3½x5x24¼" long. With 20-watt tube, switch, grounded AC outlet. U.L. Listed. 115 VAC. 5½ lbs.

26 B 1913 X.....9.95

D 15-Watt Under-Cabinet Fixture. Sticks-up with Scotchmount®—no screws, no drilling. White. 1½x5¼x18½". With tube, cord, plug, switch. U.L. Listed. For 110-125 volts. 60 Hz AC. Shpg. wt., 4 lbs.

26 B 3236.....5.95

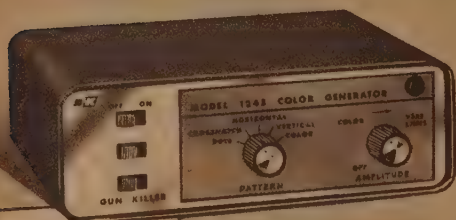
26 B 3237. As above, but bronze color.....5.95



Use Your Allied Credit Fund for All Power Equipment

ALLIED 239

B & K Test Equipment for Technicians



Save
\$12.60
with
Degaussing Coil



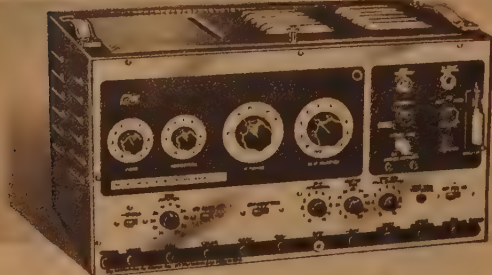
Special! Professional
Degaussing Coil \$1 More

With Coil	1245 Alone
\$135⁹⁵	\$134⁹⁵
\$7 monthly	\$7 monthly

Model 1245 Portable Color Generator

For quick, easy convergence and color adjustments of TV sets in home. Connects directly to antenna terminals. Over 5000-mW RF output on TV Channels 3, 4, 5. Crystal-controlled keyed rainbow color display, dot pattern, crosshatch, horizontal and vertical lines. Horizontal lines are one scanning-line thick. Dots are smallest visible with adjustable brightness for sharp focus. $2\frac{3}{4} \times 8\frac{1}{4} \times 8\frac{1}{8}$ ". With RF cable. For 105-125 VAC, 60 Hz. Degaussing coil is 13" dia., has 9-ft. cord, on-off sw. Wt., 6 lbs.

21 B 0001 L2X. 1245 and Coil Bonus..... 135.95
21 B 4448 X. Model 1245 Alone. Wt., 4 lbs..... 134.95
21 B 4361. Degaussing Coil Alone. Wt., 2 lbs..... 13.60



Deluxe Model 1076 TV Analyst

\$329⁹⁵
\$16 monthly

- Pinpoint any TV Trouble in Minutes
- Complete Signal Generating Source
- Directly Modulates Picture Tubes

Combines a miniature TV transmitter with a circuit analyzer. Directly injects RF, IF, video or audio signals into any stage of black-and-white or color TV sets—you view results on set's screen. Injects horizontal and vertical sync, plus grid and plate drive for sync and sweep checks. Switch selection of channels 2-13. Has negative bias supply. AGC keying pulse, high-level signal for directly modulating picture tubes. Also generates white dot, crosshatch and color bar patterns for convergence adjustment; crystal-controlled rainbow and color bar patterns test sync, range or hue control and align demodulators. $10\frac{1}{4} \times 17 \times 10$ ". For 110-120 V, 60 Hz AC.

21 B 4169 K. Wt., 29 lbs. \$16 Monthly..... 329.95

NEW!



1242 Solid-State Color Generator

- Easy Color Convergence, Adjustment
 - Reliable Solid-State Circuit
 - Fast Connections to TV Set
- \$99⁹⁵**
\$5 monthly

Solid-state design for outstanding reliability and high stability over wide temperature range. Produces station-quality waveforms for fast and easy convergence and color adjustments of television sets, right in the home. Gives dot, crosshatch, horizontal line, vertical line, and color patterns on channels 3 and 4; over 5000 microvolts RF output. Features built-in gun killer with "mini-clips" for easy connection to TV set. Power supply is zener diode regulated. Rugged metal case is compact and portable, with storage space for test leads. Size, $2 \times 6\frac{3}{4} \times 9\frac{1}{4}$ " deep. Complete with RF output cable. For 105-125 volts, 60 Hz AC. Shpg. wt., 2½ lbs.

21 B 4189 X. \$5 Monthly..... 99.95

All-in-One Transistor Radio Analysts



Model 960
\$99⁹⁵
\$5 monthly

Model 970
\$199⁹⁵
\$10 monthly



A Model 970. For complete servicing—signal tracer, in-circuit and out-of-circuit transistor tester, AM, FM, RF, IF and audio generators, DC supply. Traces circuits stage-by-stage, provides 1.5 to 15 VDC. Tests transistors in-circuit with "Dyna-Trace" probe; out-of-circuit for leakage, beta (0-300). Ranges: VDC, 0-2-20-200-500; mA, 0-2-200; amps, 0-2-5; ohms, 0-50K-500K-5 meg, $9 \times 8 \times 15\frac{1}{4}$ ". With Japanese-American transistor guide. 110-120 VAC, 60 Hz.
21 B 4367 K. Wt., 22½ lbs. \$10 Monthly.... 199.95

B Model 960. Six instruments in one—signal tracer, VTVM, ohmmeter, battery and transistor testers, 0-12 VDC supply. Traces AM transistor radio circuits, checks transistors in-circuit with single-point probe; out-of-circuit tests for leakage, beta. With transistor guide. 110-120 V, 60 Hz.
21 B 4166 X. Wt., 9 lbs. \$5 Monthly..... 99.95

Accurate, Professional Test Equipment by B & K



606 "Dyna-Quik" Tester

\$7995 \$5
monthly

- Tests Under Simulated Load
- Large Easy-to-Read 4½" Meter

Compact emission-type tube tester is fast, accurate. Checks most commonly-used TV and radio tubes, nuvistors, 10-pins, 12-pin compactrons, VR's, thyratrons, auto radio hybrids, hi-fi and industrial tubes—all under simulated load. Four switches; 4½" "Replace-?-Good" scale. Adjustable grid emission test, sensitive to over 100 megohms. Tests for shorts, leakage, gas. 8½x11x4½". For 105-125 V, 50-60 Hz AC. Wt., 7 lbs.

21 B 4164 X. \$5 Monthly....79.95



707 "Dyna-Quik" Tester

\$18995 \$10
monthly

- Switching Section for New Types
- Tests Under Actual Conditions

Professional, dynamic mutual conductance tester features multiple socket plug-in-and-check section. Tests radio and TV tubes, VR's, thyratrons, auto radio hybrids, European hi-fi, industrial tubes. Sockets check nuvistors, 10-pins, compactrons. Adjustable grid emission test—over 100 meg sensitivity. Test shorts, leakage, gas, "life." 4½" meter. "Replace-?-Good" scale. 16½x15½x5½". For 105-125 V, 50-60 Hz. Wt., 16 lbs.

21 B 4165 X. \$10 Monthly. 189.95



465 CRT Tester-Rejuvenator

\$8995

- Checks and Rejuvenates CRTs in TV Set
- Handles New CRT Types

Checks color or black-and-white CRTs for leakage, shorts, opens, emission. Checks gas content, predicts life; indicates expected picture quality. Operates tubes at correct filament (1-13) and G₁ and G₂ voltages. Handles Hi G₂ and Lo G₂ tubes. Tests, rejuvenates 100" tubes, 19" and 23" types, color tubes including 90" and 23" 23BG22. Checks and corrects each color gun separately. 4½" meter, neon indicators. Leatherette covered, 14x8x4½". 105-125 VAC, 50-60 Hz. 11 lbs.

21 B 4490 X. \$5 Monthly.....89.95



801 Capacitor Analyst

- In-Circuit and Out-of-Circuit
- Energy, Leakage, More \$6 monthly

\$10995

Out-of-Circuit. Indicates energy storage capability, life expectancy. Combined effects of internal series resistance and useful capacity of electrolytics tested in one reading. In-Circuit. Short test 10 pF-2000 pF even with 25-ohm shunt. Open test for shunt low as 50 ohms, down to 25 pF. Reads leakage directly on meter, 3-wire test for dual, series capacitors. Reads capacity 10 pF-100 pF, 6x10x4½". 110-120 VAC, 60 Hz. 11 lbs.

21 B 4342. \$6 Monthly.... 109.95



161 Transistor Analyst

- In-Circuit, Out-of-Circuit Tests
- Tests AC Beta, Leakage \$5 monthly

\$8995

Rugged dynamic analyst is easy to use and carry. Checks transistors in-circuit for AC beta. Also tests transistors, diodes and rectifiers out-of-circuit for AC beta and ICBO leakage. Determines PNP or NPN by flick of switch. Mirrored 7" meter. Special circuit protects transistors, even if connected incorrectly to analyst. Beta range, 2-100 and 10-500; leakage, 0-5000 pA. With test leads. 7½x7½x3½". 115 VAC, 7 lbs.

21 B 4463. \$5 Monthly..... 89.95



Model 1450 5" Oscilloscope

Exclusive intermittent analyzer locates hard-to-find periodic failures. Designed for easy sync of 3.58 MHz color burst signals. Double scale for easy voltage calibration. Push-pull vertical and horizontal amplifiers. Vert. sensitivity, AC, 50 mV rms/inch; response, ±3 dB, 1 Hz to 4.5 MHz. Horiz. sensitivity, 0.6 V rms/inch; response to 400 kHz; Automatic, internal, external sync. 13½x8½x17¼". 110-120 VAC, 30 lbs.

21 B 4513 K. \$14 Monthly.....279.95

Sencore Performance-Proven Test Instruments



TC142 Mighty Mite V Tube Tester

\$74.50

\$5 monthly

Tests Over 3000 Tube Types
at Full Rated Cathode Current

Modern cathode-emission tube tester for fast, accurate testing required by the professional serviceman. Tests over 3000 types, including compactrons, novars, nuvistors, frame-grid and 10-pin types. Has magnoval socket for testing such tubes as 6BG5, 6FG6, 9ED4, etc. Simplified controls increase testing speed. Grid leakage measured with 100-megohm VTVM circuit. Accurate stethoscope-type short test. Vinyl-clad steel case, brushed-chrome panel, detachable lid. 10x9x3½". 9 lbs.

21 B 4284 X. \$5 Monthly.....74.50

MX129 FM Stereo Multiplex Generator and Analyzer

\$169.50

\$9 monthly

All Signals for
Multiplex Servicing

Service FM-stereo-receiver multiplex circuits with this feature packed, portable generator. All crystal controlled. Troubleshoots, aligns, analyzes. Provides FM-RF carrier with composite signal (60 or 1000 Hz internal, or external). Full control over right and left channel amplitudes and modulation. 67-kHz SCA output for traps; composite signal for injection after FM detector; 19-kHz pilot calibrated percent-modulation. Meter reads p-p volts, DB. 9½x10½x4". 110-120 VAC. 9 lbs.

21 B 4341 X. \$9 Monthly...169.50

F5134 VHF/FM/UHF Portable Field Strength Meter

\$199.50

\$10 monthly

Orient Antennas
in Minutes

For quick antenna placement by only one man. Battery powered. Frequency coverage: 50-110 MHz (TV Ch. 2-6 and FM); 160-230 MHz (Ch. 7-13); 460-900 MHz (Ch. 14-83). Sensitivity: 30 µV. Accuracy: VHF/FM, ±3 dB; UHF, ±6 dB. Meter calibration: 0-60 dB, 30-30,000 µV. Attenuators: X1, X10, X100. IF and image rejection: over 50 dB on VHF/FM; 30 dB on UHF. Input: 75 or 300 ohms, with built-in balun. Bandwidth: 500 kHz. Speaker. 9½x10½x5". Batteries, 12 lbs.

21 B 4340 X. \$10 Monthly. 199.50



CR143 Color Picture Tube Tester

CRT Champion tests all color and black-and-white picture tubes to industry standards. Automatically checks color-tube guns for tracking at all settings of the TV brightness control. Makes all standard tests such as short-test, emission-test with pure DC, and life-test. Three-position, automatically-controlled rejuvenation circuit brings low-emission tubes to life, removes shorts, and equalizes color-tube gun currents. Line adjustment for critical tubes. Easy-to-update plug-in socket. Vinyl-covered steel case, chrome panel. 10x9x3½". 115 VAC. 11 lbs.

21 B 4286 X. \$5 Monthly.....99.50

CR146 Component Substitutor

Handy "75." Provides 75 frequently-used values of resistors, capacitors, electrolytics, and selenium and silicon rectifiers for fast on-the-spot substitution. Has the following: 12 one-watt resistors, ranging from 10 ohms to 5600 ohms; 12 one-half-watt resistors, from 10K ohms to 5.6 megs; 20-watt power resistors, from 2.5 to 15,000 ohms; 10-600-volt capacitors from 100 µF to 0.5 µF; 10 electrolytics, from 2 µF to 250 µF, 450 volts; and 0.5-amp universal selenium and silicon rectifiers. Exclusive surge-protection circuit. Size, 10½x4¾x4¾". Shpg. wt., 3½ lbs.

21 B 4288 X. \$5 Monthly.....44.95

A RC145 Component Substitutor

Handy "53." 53 values. Twelve 1-watt, twelve ½-watt resistors, 10K-5.6 megs. Ten 600-V capacitors, 100 µF to 0.5 µF. Ten electrolytics, 2 µF to 250 µF, used as singles or duals for 25 values. 8½x3¾x4¾".

21 B 4256. Wt., 3 lbs. \$5 Mo...34.95

B RC144 Component Substitutor

Handy "36." Similar to the Handy "53," except it provides 36 frequently-used values. Has 24 ½-W and 1-W resistors, 10 ohms to 5.6 megs; 2 electrolytics, 10 µF and 40 µF; 10 capacitors, 100 µF to 0.5 µF. 4x5x2". 2 lbs.

21 B 4173.....14.95

for Radio, Black-and-White and Color-TV Servicing

**Sencore—for the Latest
in Servicing Equipment**



CG141 Color Bar Generator

\$149⁵⁰

\$8 monthly

Temperature
Controlled

Has ultra-stable solid-state circuit. This all-weather temperature-controlled color bar generator provides all standard patterns: RCA standard color bars, crosshatch, white dots, vertical bars, horizontal bars. Also has two exclusive new patterns: controlled-position single dot and cross that simplify static and dynamic convergence. New interlace control, new high-output composite chrome and sync signals, crystal-controlled 4.5 MHz sound carrier, color-gun interrupters. Front panel adjustments. Vinyl-covered steel case. 10x9x3½". 115 V, 60 Hz AC. 9 lbs.

21 B 4314 X. \$8 Monthly. 149.50

CA122B Color TV Analyzer

\$187⁵⁰

\$10 monthly

Tests from Tuner
to Picture Tube

Five highly useful patterns—color bars, white dots, vertical and horizontal lines, crosshatch pattern, plus new pattern with no modulation for purity checks and adjustment. Other analyzing signals help solve RF, IF, audio, video and sync problems in color and black-and-white sets. 10 crystal-controlled keyed RCA-type bars give all colors at specified NTSC phases. Color gun interrupter for fast purity and convergence checks. Sync and video, 0 to 30 V p-p. Crystal-controlled 4.5 MHz and 900 Hz signals. 10x14x8". 115 V, 60 Hz AC. 11 lbs.

21 B 4176 X. \$10 Monthly. 187.50

CG10 Color Bar Generator

\$89⁹⁵

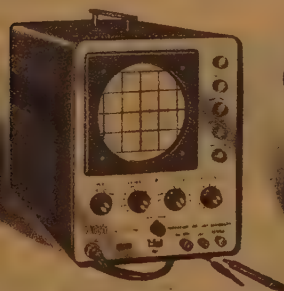
\$5 monthly

Rugged, Compact, Portable—
Ideal for In-Home Service

Lightweight, crystal-controlled, solid-state 5-function generator. Produces stable color bars, dots, crosshatch, vertical and horizontal lines. Ten standard keyed RCA-type color bars at specified NTSC phases. Unique interlace control stops dot bounce and pairing of horizontal lines. RF output pretuned to chan. 4—adjusts to 2-6 from outside case. Reserve output of up to 200% on color bars for servicing defective circuit. All-steel vinyl laminated case, 3½x10½x8½". Zener-regulated battery power. Requires 8 standard "C" cells, below. 5½ lbs.

21 B 4469. \$5 Monthly. 89.95
18 B 5078. Batteries, 4 oz. Pkg. 2/33¢
CG12. As above, but AC-operated. Also has 4.5 MHz crystal-controlled signal.

21 B 4329. \$6 Monthly. 109.50



PS127 Wideband Oscilloscope

High-sensitivity 5" wideband oscilloscope gives top performance with operational simplicity. Provides exclusive direct-reading peak-to-peak voltage measurements to 5000 volts with special low-capacity probe. Sensitivity: .017-V rms vertical, 1-V rms horizontal (for 1" deflection). Response: Vertical, 10 Hz to 5.2 MHz, ±1 dB; horizontal, 10 Hz to 1 MHz, ±3 dB. Five sweep ranges (10% overlap): 5-50 Hz, 50-500 Hz, 500 Hz-5 kHz, 5-50 kHz, 50-500 kHz, 9x12x15½". With probe. For 105-125 V, 50-60 Hz AC. 25 lbs.

21 B 4181 K. \$10 Monthly. 199.50



SS137 TV Sweep Analyzer

Solve sweep, sync, HV problems. Universal horizontal/vertical oscillators substitute for those in TV set—color or black-and-white. Horizontal yoke check uses universal yoke in unit; vertical yoke checked by driving with test signal to give full trace on TV screen. Flyback check tests power transfer to universal yoke. All tests dynamic with TV on. 300 µA meter for AC, p-p, DC V, DC current. 2nd anode V to 30,000 volts. With high-voltage probe and test leads. 9x4x10½x3½". 110-120 V, 60 Hz AC. Shpg. wt., 10 lbs.

21 B 4400. \$6 Monthly. 94.50



TR139 Transistor Tester

Simple, quick way to accurately test transistors, diodes, and rectifiers in or out of circuit. In-circuit testing is a "must"; the TR139 does it without disconnecting a single lead. Easy measurement of true beta (gain) and I_{CEO} (leakage current of transistor in microamperes). Gives you a speedy "go or no-go" when testing diodes and rectifiers in circuit. Big 6" meter. Ranges: Beta, 2 to infinity; I_{CEO}, 0 to 5000 µA. Leatherette-covered steel case, brushed chrome-steel panel. 9x7½x6". 115 V, 60 Hz AC. With leads. 8 lbs.

21 B 4518. \$6 Monthly. 89.50

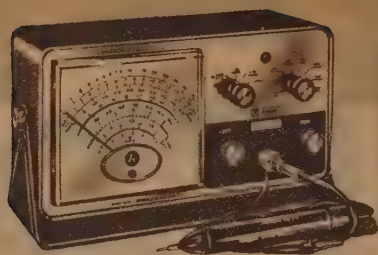
\$89⁵⁰

\$5 monthly

NEW!

knight®

Extra-Value Test Equipment F



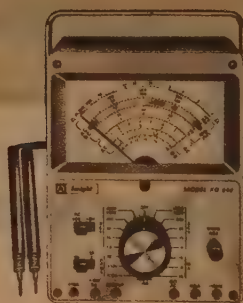
½-Volt Full-Scale DC Range

KG-625 Deluxe 6" VTVM
with AC-Ohms/DC Probe

\$75.00 \$5
monthly

Has easy-to-read 6" scale, 200-μA movement. Reads 0-1500 VDC in 8 ranges; 0-1500 VAC (rms); 0-4200 VAC (p-p) in 7 ranges. 0-1000 megs in 7 ranges. Precision 1% multipliers. Has DC polarity-reversing switch, zero-adjust. 7¼x12x5½". With probe, batt. 110-130 VAC. Wt., 9 lbs. *Assembled, Ready-to-Operate.*

22 B 3563 ZW. \$5 Monthly. . . 75.00
22 B 3130 W. High-Voltage Probe. Extends range to 25,000 V. 1 lb. . . 6.95
22 B 3131 W. High-Frequency Probe. Extends range to 250 MHz. 1 lb. . . 5.95



KG-640 20,000 Ohms/Volt
VOM with 57 Ranges

\$70.00 \$5
monthly

Features sensitive 50-μA taut-band burnout-protected meter, with easy-to-read 4½" mirrored scale. Reads AC, DC, output voltage, DC current, resistance and decibels. Has 0.8 VDC full scale range; range doubler switch; DC polarity-reversing switch; frequency response to beyond 200 kHz. 1% carbon film resistors. 6¼x5½x3¾". With standard "C" flashlight battery, 4 penlight cells, test leads, instructions. Shpg. wt., 5 lbs. *Assembled, Ready-to-Operate.*

22 B 3582 ZW. \$5 Monthly. . . 70.00

NEW!

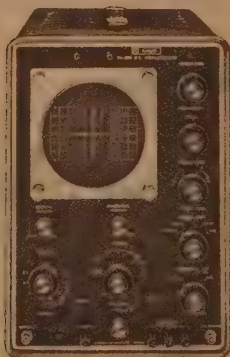


KG-661 0-25 Volt
Regulated DC Power Supply

\$54.95 \$5
monthly

Fully regulated DC power supply offers 0-25 volts DC at 0.5 amp. Ideal for any unit requiring low-voltage, low-current regulated DC power. Solid-state circuit uses all silicon transistors. Both line and load variations are regulated for constant voltage and low ripple output. Automatic current limiting provides complete short-circuit protection. Has front panel voltage meter, isolated binding posts. 5½x4¼x7½". 110-130 VAC. 6½ lbs. *Assembled, Ready-to-Operate.*

22 B 3505 ZW. \$5 Monthly. . . 54.95

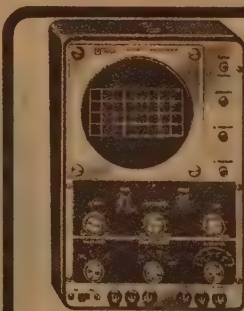


KG-2100 DC-to-5-MHz Scope

\$349.95 \$17
monthly

Wideband scope features high vertical sensitivity (.05 V/cm), wide horizontal response (DC to 800 kHz), excellent DC balance and sweep linearity. Has DC coupled amplifiers, vertical off-scale indicators, pre-set lock-in. Roton fan and regulated power supply for top stability. Flat-face 5" CRT. Color-correlated controls. 14¼x10¼x18½". 110-130 V. 50-60 Hz AC. 45 lbs. *Assembled, Ready-to-Operate.*

22 B 3523 ZW. Express. \$17 Mo. 349.95
22 B 3949 W. Assem. Probe. 1 lb. 22.00



KG-635 DC-to-5.2-MHz Scope

\$200.00 \$10
monthly

Ideal for color TV. Dynamic sync limiter, automatic astigmatism correction, excellent linearity and lock-in characteristics. 5 linear time base ranges. Color bandpass, ±0.5 dB overshoot below 6%. Order leads, probes below. 11½x7½x15½". 110-130 VAC. Shpg. wt., 29 lbs. *Assembled, Ready-to-Operate.*

22 B 3531 ZW. \$10 Monthly. 200.00
22 B 3152 W. Test Leads. 6 oz. . . 1.95
22 B 3150 W. 12-pF Probe. ½ lb. . 5.95
22 B 3151 W. 250-MHz Probe. . . 5.95

Deluxe Test Instruments

NEW!



KG-687 Sweep/Marker Gen.

\$185.00 \$10
monthly

Crystal controlled and variable post-injection marker system; sweep width variable from 0-18 MHz. All silicon transistors. Sweep covers 3-220 MHz; marker, 2-225 MHz. (All TV and FM, IF and TV VHF frequencies). 14¼x7½x10¼". With 4.5 MHz crystal, cables. For 110-130 V, 50-60 Hz AC. Shpg. wt., 13 lbs. *Assembled, Ready-to-Operate.*

22 B 3519 ZW. \$10 Monthly. 185.00
22 B 3356 W. 5-MHz Crystal. . . 4.95
22 B 3357 W. 10.7-MHz Crystal. . . 4.95

b, Shop, School, or Home

NEW!



KG-663 0-40 Volt

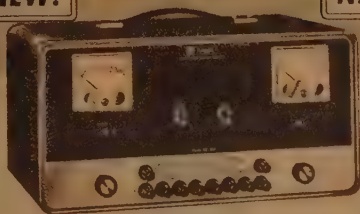
Regulated DC Power Supply

\$140⁰⁰ \$7 monthly

Solid-state power supply offers 0-40 volts DC at 0-1.5 amps. Ideal for transistor servicing, development. Has 0-100% continuously variable current limiting; fine and coarse voltage controls; rear panel terminal strip for remote programming/sensing; stable silicon transistor circuit. Both line and load variations are regulated for low ripple output. Has two front panel meters (voltage and current), heavy-duty Operate/Standby switch, binding posts for plus and minus isolated voltage. $7\frac{3}{4} \times 7\frac{1}{2} \times 10\frac{3}{4}$ ". For 110-130 VAC. Shpg. wt., 16 lbs. Assembled, Ready-to-Operate.

22 B 3509 ZW. \$7 Monthly... 140.00

NEW!



KG-664 "Three-In-One"

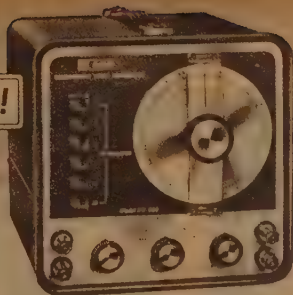
Regulated DC Power Supply

\$140⁰⁰ \$7 monthly

Deluxe B+/filament/DC bias supply for the many voltages required in circuit development, check, and repair. Offers 0-400 VDC plate voltage at 200 mA; 0 to -100 VDC bias voltage at 1 mA; 6.3 and 12.6 VAC filament voltages. Two front panel meters monitor voltage and current; ten isolated binding posts on front panel for maximum versatility; chassis binding post on rear panel. Voltage regulation provides less than 1.0% voltage variation from no load to full load. Heavy-duty Operate/Standby switch. $7\frac{3}{4} \times 14\frac{1}{4} \times 10\frac{1}{4}$ ". 110-130 VAC. Wt., 20 lbs. Assembled, Ready-to-Operate.

22 B 3506 ZW. \$7 Monthly... 140.00

NEW!



KG-688 Sine/Square Wave Generator

\$115⁰⁰ \$6 monthly

New solid-state sine/square wave generator—ideal for all types of electronic equipment. Sine wave frequency range from 20 Hz to 2 MHz; square wave from 20 Hz to 200 kHz. All silicon transistors provide excellent stability. Precision Sulzer oscillator circuit employs Field-Effect-Transistor for good accuracy. Has complementary symmetry output for low impedance and distortion; multiple feedback loop for constant amplitude output; constant impedance, calibrated step attenuators. Easy-to-read 4" metal dial, smooth vernier drive, antibacklash. $7\frac{3}{4} \times 7\frac{3}{4} \times 10\frac{1}{4}$ ". For 110-130 V, 50-60 Hz AC. Shpg. wt., 10 lbs. Assembled, Ready-to-Operate.

22 B 3520 ZW. \$6 Monthly... 115.00

for Dependable Color TV Servicing and Testing



KG-685 Solid-State Color Bar/Pattern Generator

\$129⁹⁵ \$7 monthly

Deluxe color bar/pattern generator provides all the displays needed for accurate, complete color set adjustments. Generates 7 crystal-controlled patterns—10 color bars; purity; tracking and cross-hatch displays; dots; vertical lines; horizontal lines. Unique gray scale pattern provides 6 discrete levels of brightness for gun tracking. Horizontal display elements are only 1 raster line thick for ultimate definition. Crystal control eliminates need for synchronization with TV set. Lead-piercing clips on gun interrupters allow fast, safe connection to set under test. Also has: shaded light source with handy clip mount; roomy storage compartment for leads, service mirror. $4\frac{3}{8} \times 9\frac{5}{8} \times 12$ ". For 110-130 V, 60 Hz AC. Shpg. wt., 14 lbs. Assembled, Ready-to-Operate.

22 B 3522 ZW. \$7 Monthly... 129.95

NEW!



KG-686 RF Signal Generator with 100 kHz/1MHz Calibrator

\$140⁰⁰ \$7 monthly

Solid-state lab-quality RF signal generator covers 100 kHz to 54 MHz in 5 fundamental bands. Frequency accuracy is $\pm 1.5\%$ usable to $\pm 0.1\%$ with built-in 100 kHz/1 MHz crystal calibrator. Features floating type-chassis isolated oscillator; tunable L and C on every band; switchable D'-Arsonval meter for RF carrier or modulation level. Six individually shielded step attenuators offer 21 discrete levels of attenuation to -96 dB. Fine attenuator covers -10 to +2 dB. Has easy-to-read 4" metal dial, vernier drive. Regulated power supply; silicon transistor circuit. $14\frac{1}{2} \times 7\frac{3}{4} \times 10\frac{1}{4}$ ". 110-130 VAC. Wt., 15 lbs. Assembled, Ready-to-Operate.

22 B 3518 ZW. \$7 Monthly... 140.00

Suffix "Z" in Stock No. Indicates Express Shipment

ALLIED 245

RCA Test Instruments

**TOP QUALITY FOR
SPEED, ACCURACY**



WR-64B Color Generator

\$189.50

• Generates Accurate Color Bars, Dots, Crosshatch

\$10 monthly

For color-TV troubleshooting and convergence. Produces 10 bars of different colors simultaneously. Gun-killing switches. Chroma control checks color sync lock, AFC alignment. Color sub-carrier, horizontal, vertical, sync-pulse, crosshatch and bar frequencies crystal-controlled. 10x13 $\frac{1}{2}$ x8". 117 VAC. Wt., 17 lbs. 21 B 4191 U. \$10 Monthly. 189.50

WO-91B 5" Oscilloscope

\$269.00

• For Color and Black-and-White

\$14 monthly • Includes Probe

Professional quality for color or black-and-white TV servicing, testing. Oscilloscope has dual-band response. Sync separator for stable sweep lock-in on composite signals: 10 Hz to 100 kHz continuous sweep. Polarity reversal switch. Dual-band response: wideband ± 1 dB, 10 Hz to 4.5 MHz; narrowband -6 dB, 10 Hz to 1.5 MHz or -1 dB, 10 Hz to 0.5 MHz.

Sensitivity: wideband, 0.150 V p-p/inch; narrowband, 0.05 V p-p/inch. 13 $\frac{1}{2}$ x9x16 $\frac{1}{2}$ " deep. For 105-125 V, 50-60 Hz AC. Includes WG-300B Direct/Low-Capacitance Probe. Shpg. wt., 35 lbs. 21 B 4278 K. \$14 Monthly. . . 269.00

WO-33A(K) 3" Oscilloscope

\$99.00

\$139.00

Kit Form

Assembled

Ideal for observing colorburst signals and other color or black-and-white TV work. Easy-to-build. Dual-band response—with high-gain vertical amplifier in narrowband position, sensitivity is 3 rms mV/in., bandwidth 20 Hz to 150 kHz, -3 dB. Wideband position; sensitivity, 100 rms mV/in.; bandwidth 5.5 Hz to 5.5 MHz, -3 dB. Sweep oscillator: 15 Hz to 75 kHz. Sync: external/ = internal. Line sweep: 160° adj. phase. 8 $\frac{3}{4}$ x6 $\frac{1}{2}$ x10 $\frac{1}{4}$ ". 110-120 V, 60 Hz AC. Combination probe. 16 lbs.

21 B 4190 X. Kit Form 99.00

21 B 4276 X. WO-33A. Factory Assembled. \$7 Monthly. 139.00

See Next Page for Accessory Oscilloscope Probes.



WR-99A Marker Generator

Supplies fundamental-frequency RF carrier of crystal accuracy for aligning and repairing TV and FM receivers. 19-260 MHz in 8 bands. Heterodyne detector, amplifier and speaker. 4.5-MHz crystal for alignment of intercarrier IF amplifiers. Triple markers. 13 $\frac{1}{2}$ x10x7". For 105-125 V, 50-60 Hz AC. 21 lbs. 21 B 4329 K. \$13 Monthly. . . 256.50

Crystal Calibrator
Beats at 1
or 10 MHz

\$256.50

\$13 monthly



WT-115A Color CRT Tester

Compact and lightweight unit is designed for use with all color CRT's. Accurate emission tester provides reliable tests by setting up correct cut-off voltage condition for each gun. Laminated vinyl carrying case with storage compartment. 5x6x10". For 105-125 V, 50-60 Hz AC. 5 lbs. 21 B 4195 U. \$5 Monthly. 89.50

Checks All
Color
Tubes

\$89.50

\$5 monthly

WR-69A Sweep Generator

\$295.00

• Covers VHF TV Channels and 88-108 MHz

\$15 monthly

For visual alignment of TV and FM receivers; ideal for color TV. Has preset positions for TV channels 2-13, FM, TV video, chrominance and IF frequencies. VHF output on fundamentals only. IF/Video output 50 MHz—continuously tuned. Bandwidth 50 kHz to 20 MHz; 12 MHz max. on TV, 105-125 VAC. 10x13 $\frac{1}{2}$ x7". Shpg. wt., 18 lbs. 21 B 4347 X. \$15 Monthly. 295.00

Model WR-50B (K) RF Generator

Kit Form **\$45.00**

\$5 monthly

• Ideal for School Uses
• Accurate CW and AM
• Has Sweep Features



For maintenance and trouble-shooting. Accurate source of CW or AM signals on fundamentals from 85 kHz-40 MHz. Permanent cables. 400 Hz AF oscillator. 455 kHz, 10.7 MHz sweep signals. 7 $\frac{3}{4}$ x5 $\frac{1}{2}$ x4 $\frac{1}{2}$ ". 105-125 VAC. 7 lbs. 21 B 4272. \$5 Monthly. 45.00

21 B 4192. WR-50B. Fact. Assembled. 65.00

RCA Accessory Probes

WG-289 High-Voltage Probe. Extends DC range of WV-98C VoltOhmyst to 50,000 volts. Microphone type connector. Requires multiplier resistor. Wt., $\frac{1}{2}$ lb.
21 B 4212.....13.50

WG-297 High-Voltage Probe. As above, for use with WV-77E and WV-38A.
21 B 4209. Shpg. wt., $\frac{1}{2}$ lb.....13.50

Multipliers. For use with WG-289 or WG-297 above. Wt., 2 oz.

21 B 4213. WG-206. 1090 megohms.....3.50

21 B 4274. WG-210. 900 megohms.....3.50

21 B 4275. WG-211. 495 megohms.....3.50

WG-301A Crystal Diode Probe. Extends range of WV-98C VoltOhmyst to 250 MHz. Slip-on probe for use with WG-299A, B or C probe and cable. 8 oz.
21 B 4215.....8.25

WG-351A Crystal Diode Probe. For extending the RF capability of WV-77E VoltOhmyst to over 100 MHz. Shpg. wt., 4 oz.
21 B 4366.....5.25

WG-300B Direct/Low-Capacitance Probe. For use with RCA oscilloscopes. Switch provides choice of direct or low capacitance operation. Input resistance, 10 megohms. Less than 12.5 pF in low capacitance position. With 48" shielded cable, mike connector, ground lead and clip. 4 oz.
21 B 4279.....11.00

WG-302A RF/IF/VF Signal Tracing Probe. Slip-on high frequency probe for use with WG-300B probe and cable. Permits visual signal tracing in radio or TV video and IF stages with oscilloscope. Wt., 2 oz.
21 B 4280.....9.00

WG-350A Demodulator Probe. For demodulation and signal tracing of radio and TV RF and IF signals. Use with WO-33A oscilloscope. Shpg. wt., 4 oz.
21 B 4378.....5.25

WG-349A Direct/Low-Capacitance Probe. Connects to WO-33A scope with miniature mike connector. Boosts input impedance to 10 megohms, 12-picofarad capacity. Probe consists of three short leads with alligator clips; no switching for direct or low-capacity connection. With 48" small-dia. flexible shielded cable. 4 oz.
21 B 4380.....6.75

21 B 4214. WG-299D DC/AC Ohms Probe and Cable. Switch selects DC or AC ohms. 1 lb.....9.00

Test Equipment Accessories

WP-25A TV Isotap. Use as high-medium-low voltage isolation transformer or auto-transformer, for tests at various line voltages. Outputs of 105, 115 and 130 V AC; taps match line in 6 steps. 13 lbs.
21 B 4199.....27.50

WG-307B (K) TV Bias Supply Kit. For TV servicing and aligning. Three output voltages, adjustable from zero to -15 V min. for RF, IF or AGC bias. $\frac{1}{2}$ lbs.
21 B 4198.....11.95

WG-295C Video Multimarker. Provides seven simultaneous absorption markers at pre-set frequencies. For marking video response curves in color TV sets. Markers: 0.5, 1.5, 2.5, 3, 3.58, 4.1 and 4.5 MHz. Connects to sweep generator. 8 oz.
21 B 4196.....32.50

WG-304B RF Modulator. Checks overall response of TV receivers. Modulates WR-99A marker with WR-69A signal. 4 oz.
21 B 4197.....18.00

RCA VOM and VTVM Kits

WV-98C (K) VoltOhmyst

Kit Form

Assembled

\$57⁹⁵

\$84⁰⁰

\$5 monthly

\$5 monthly

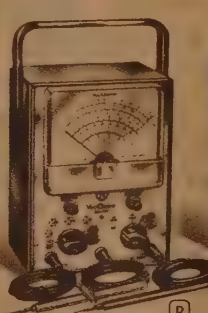
Has 1% precision resistors in all critical circuits; big $6\frac{1}{2}$ " meter with mirrored scale; 3% accuracy. AC-DC volts, 0-1.5-5-15-50-150-500-1500 V, plus 0-0.5 V DC range; and 7 resistance ranges to 1000 megohms. DC input resistance, 11 megohms. Response, 30 Hz to 3 MHz on 1.5, 5 V ranges. $6\frac{1}{2} \times 7 \times 3\frac{3}{4}$ ". With DC/AC-Ohms probe. For 105-125 V, 50-60 Hz AC. Shpg. wt., 8 lbs.

21 B 4210. Kit Form.....57.95

21 B 4211. WV-98C, Factory Assembled. \$5 Monthly.....84.00



Factory Assembled \$79⁹⁵



Kit Form \$38⁰⁰



Kit Form \$38⁰⁰

(A) WV-76A AC VTVM. Popular VTVM has nine AC volt and dB ranges: measures 10 mV to 100 volts full scale; and, -40 to +40 dB. Measures voltages as low as 0.2 mV. Boasts 1% precision resistors for 5% accuracy, full scale. Response is flat within 1 dB from 20 Hz to 1 MHz. Input impedance, 1.0 megohm shunted by 58 picofarads. With shielded, direct/low capacitance probe for range to 500 V. $7\frac{3}{4} \times 5\frac{5}{8} \times 4\frac{3}{4}$ ". For 110-120 V, 60 Hz AC. Shpg. wt. 5 lbs.
21 B 4206. WV-76A, Factory Assembled. \$5 Monthly.....79.95

(B) WV-77E (K) VoltOhmyst Kit. For use where accuracy and dependability count. Low-cost dependable VTVM kit features easy-to-follow instructions that make assembly really fast and simple. Ranges include: AC and DC volts, 0-1.5-5-15-50-150-500-1500; AC p-p volts, 0-4-14-40-140-400-1400-4000; resistance, 0.2 ohm to 1000 megohms in seven ranges. DC input, 11 megs. $7\frac{3}{4} \times 5\frac{5}{8} \times 4\frac{3}{4}$ ". For 105-125 V, 50-60 Hz. 5 lbs.
21 B 4207. \$5 Monthly.....38.00

21 B 4208. WV-77E, Factory Assembled. \$5 Monthly.....52.00

(C) WV-38A (K) VOM Kit. Large $5\frac{1}{4}$ " meter; low DC ranges for transistor circuits; response to 50 kHz. Ranges: AC and DC volts, 0-2.5-10-50-250-1000-5000 plus 0.25-1 V DC; 3 ohms ranges to 20 megs; DC current, 0-50 μ A, 0-1-10-100-500 mA, 0-10 amps; dB, -20 to +50. Input resis.: DC, 20,000 ohms/volt; AC, 5000. DC acc.: $\pm 3\%$, $6\frac{1}{2} \times 5\frac{1}{4} \times 3\frac{3}{4}$ ".
21 B 4218. With test leads. Wt., 5 lbs.....38.00

21 B 4219. WV-38A, Factory Assembled. \$5 Monthly.....52.00

21 B 4220. WV-38A Case. Shpg. wt., 1 lb.....4.95

RCA Model WV-120A AC Power-Line Monitor

Plug line cord into nearest AC outlet. Reveals voltage fluctuations and "bounces" in line. Range: 100-140 volts AC. Accuracy: $\pm 2\%$ at 120 volts. May be hung on wall or work bench. $3\frac{1}{2} \times 5 \times 3\frac{1}{8}$ ". Shpt. wt., $1\frac{1}{2}$ lbs.
21 B 4193.....16.50

\$16⁵⁰

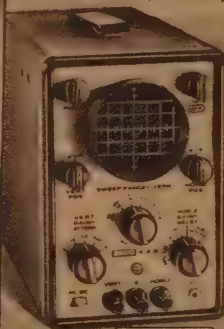
Ideal for Laboratory Applications



EICO Test Gear in Easy-to-Build Kit Form



460-K
\$99⁹⁵
KIT
\$5 monthly



435-K
\$109⁹⁵
KIT
\$6 monthly

NEW!



Post-
Injection
Marker

\$99⁹⁵
KIT
\$5 monthly

369-K Sweep-Marker Generator

For TV and FM use. Features post-injection marker—signals are unaffected by receiver circuit. 5 sweep ranges, 3.5 to 316 MHz. 3 marker ranges, 2 to 75 MHz on fundamentals; 60 to 225 MHz range on harmonics. 4.5 MHz crystal supplied for marker check. 6:1 vernier dial; 360° scale. Blanking and 3-stage AGC circuits. Impedance, 50 ohms. 8½x12½x7". Less solder. For 110-120 V, 50-60 Hz AC. Shpg. wt., 18 lbs.

21 B 4307 X. \$5 Monthly.....99.95
21 B 4308 U. Factory Assembled.....149.95

5" Wideband Scope

Model 460-K. Response flat, DC to 4.5 MHz, usable to 10 MHz. Easily reproduces 3.58-MHz color TV sync burst. Vertical sensitivity, 10 mV/inch. Input, 3 megs shunted by 35 picofarads; 4-position attenuator. Full-screen DC vertical positioning, 2X horizontal. Sweep: 10 Hz to 100 kHz, plus low frequency. Edge-lit scale. 13x8½x16". For 105-125 V, 50-60 Hz. 25 lbs. Express.

21 B 4158 K. \$5 Monthly.....99.95
21 B 4157 K. 460. Assem.....139.95

3" Wideband Scope

Model 435-K. Portable scope has push-pull 3-stage amplifier. Measures DC or p-p AC from 50 mV to 500 V with zener-diode calibration and 4-position attenuator. Flat, DC to 4.5 MHz; usable to 10 MHz. Vert. sensitivity, 18 mV rms/cm. Sweep: 10 Hz to 100 kHz plus 30 Hz vert. and 7875 Hz horiz. Automatic sync, retrace blanking. 8½x5½x12½". 105-125 V, 50-60 Hz AC. 18 lbs.

21 B 4282 X. \$6 Monthly.....109.95
21 B 4335 X. 435. Assem.....159.95

Shielded Probes for Oscilloscopes

For 460-K, 430-K, 435-K scopes. Av. shpg. wt., 5 oz.

Description	Kit Form			Factory Assembled		
	Stock No.	Type	EACH	Stock No.	Type	EACH
Demodulator Probe	21 B 4151	PSD-K	3.95	21 B 4152	PSD	5.95
Direct Probe	21 B 4153	PD-K	2.95	21 B 4154	PD	3.95
Low-Capacity Probe	21 B 4155	PLC-K	3.95	21 B 4156	PLC	5.95



NEW!

\$49⁹⁵
KIT
\$5 monthly



\$32⁹⁵
KIT
\$5 monthly



\$39⁹⁵
KIT
\$5 monthly

378-K Deluxe Audio Generator

Produces low-distortion sine wave from 1 Hz to 110 kHz. Positive detent switches select frequency in steps of 1 Hz, 10 Hz, 100 Hz, 1 kHz and 10 kHz 8-step attenuated output; level adjustable, 0-10 V rms; 4½" meter. Accuracy ±5%. 8½x12½x9". 117 VAC.

21 B 4336 X. 16 lbs. \$5 Monthly.....49.95
21 B 4337 X. Assembled.....69.95

324-K RF Signal Generator

Provides 150 kHz to 435 MHz RF output. 150 kHz to 145 MHz on fundamentals (6 ranges); 111 to 435 MHz on harmonics. Accuracy ±1.5%. Internal 400-Hz modulation variable 0-50%; also external source. RF attenuators, 6:1 vernier. 8x10x4½". 117 VAC.

21 B 4141. 10 lbs. \$5 Monthly.....32.95
21 B 4140. Assembled.....44.95

377-K Audio Generator

Sine wave range covers 20-200,000 Hz in 4 bands. Response: ±1½ dB, 60-150,000 Hz. Square wave range, 60-50,000 Hz in 4 bands. Output 10 V across 10,000 ohms. Hum, under 0.4% of rated output. Accuracy ±3% or 1 Hz. 7½x11½x7½". 117 VAC. 14 lbs.

21 B 4135 X. \$5 Monthly.....39.95
21 B 4134 X. Assembled.....54.95

Or Assembled, Ready-to-Use



NEW!



32-K CRT Tester/Rejuvenator

or most CRT's, except latest color types. 1-KVDC available for repairing ported or open cathode. 150-V variable cutoff, and variable filament supply. Tests cathode ray tubes for shorts, opens, beam current, gas and tube life. Case size, 9 $\frac{3}{4}$ "x12"x5". With detailed step-by-step assembly instructions, less solder. For operation from 95-125 volts, 60 Hz AC. Shpg. wt., 1 lbs.

B 4310 X. Kit Form. \$5 Mo.49.95
B 4311 X. Model 632. Same as above, but factory assembled. Shpg. wt., 12 lbs. \$5 Monthly69.95

636 Tube and Battery Tester

Tests 800 radio and TV tube types for cathode emission, leakage, shorts, opens, intermittents. Special, fast Go/No-Go continuity test. Sockets for octals, localts, 7- and 9-pin miniatures, novars, nuvitors, compactrons. Tests, under load, commonly-used batteries from 1.5 to 90 volts in 11 ranges. Large 3-color meter and neon lamp short indicator. Transformer power supply. Black bakelite case with metal handle. 8 $\frac{1}{2}$ "x7 $\frac{1}{2}$ "x3 $\frac{1}{8}$ ". For 117 volts 60 Hz AC. With tube data manual. Shpg. wt., 4 lbs. \$5 Monthly.

21 B 4238. Factory Assembled34.95

Tube and Transistor Tester

667-K • Tests All Std. Tube Types
\$79.95 • Leakage to 10 Megohms
KIT • Tests for Gain, Leakage

Combines mutual conductance (Gm) and plate conductance (Gp) tests into one dynamic test with a peak emission test—gives single reading of tube quality. Spots bad transistors by gain and leakage tests. Checks nuvitors, novars, compactrons, miniatures, sub-miniatures, octals, localts. Checks special purpose tubes, VR's, cold cathode regulators, and electron-ray indicators. Multi-circuit level switch; 13 tube-element pushbutton switches. Easy-to-read 4 $\frac{1}{2}$ ", 200 μ V D'Arsonval meter, roll-chart. 4 $\frac{1}{2}$ "x15"x12". Less solder. For 115 V. AC. 23 lbs.

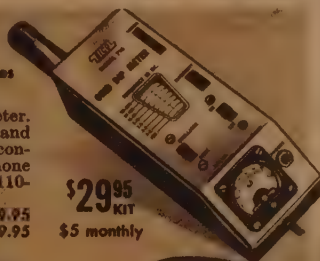
21 B 4143 K. \$5 Monthly79.95
21 B 4142 K. Model 667. Factory Assembled. 23 lbs. \$7 Monthly129.95
21 B 4144. Model CRU CRT Adapter. For Eico tube testers. 1 lb.9.95

710-K Grid-Dip Meter

- Covers 400 kHz to 250 MHz in 8 Ranges
- For Amateur Radio Use or Servicing

operates as oscillating detector or wavemeter. finds frequencies of oscillators, pretunes and neutralizes transmitters, etc. Sensitivity control; 500- μ A meter; 1:7 drive ratio; phone jack; plug-in coils. 2 $\frac{1}{2}$ "x2 $\frac{1}{2}$ "x6 $\frac{1}{8}$ ". For 110-20 V, 50-60 Hz AC. Wt., 3 lbs.

1 B 4223. \$5 Monthly39.95
1 B 4224. 710-W. Factory Assembled49.95



\$29.95
KIT
\$5 monthly



Battery Tester

64-K. Test-switch positions (volts): 1.5, 4.5, 0, 7.5, 9.0, 22.5, 45, 7.5, 75, 90, plus spare. Easy-to-read 3 $\frac{1}{2}$ " meter. 6 $\frac{1}{2}$ "x3 $\frac{1}{2}$ "x2". With all parts, leads, instructions. 2 lbs.

1 B 4225.9.95
1 B 4228. 584-W. Factory Assembled12.95



Readi-Tester

540-K. 3 $\frac{1}{2}$ " AC-DC voltmeter, ammeter, ohmmeter, wattmeter, leakage tester. AC/DC volts, 0-7.5-15-150-amps, 0-15; 0-1000 ohms. Batteries, leads. 6 $\frac{1}{2}$ "x3 $\frac{1}{2}$ "x3 $\frac{1}{2}$ ". 3 lbs.

21 B 4231.12.95
21 B 4232. 540-W. Factory Assembled15.95



Flyback Tester

944-K. Checks flybacks, yokes in black-and-white and color TV. Grid-dip principle. 3-scale, 4 $\frac{1}{2}$ " meter. Size, 5x8 $\frac{1}{2}$ "x5". For 110-120 V, 50-60 Hz AC. Shpg. wt., 5 lbs.

21 B 4229.25.95
21 B 4230. 944-W. Factory Assembled34.95



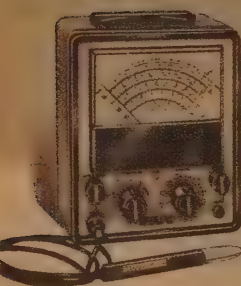
628-K Low-Cost Tube Tester

\$44.95 • Tests All Standard Tubes
KIT • Takes Adapter for CRT's
\$5 monthly

Checks emission, shorts on miniatures, octals, localts, nuvitors, novars, compactrons. Uses CRT adapter, above. 4 $\frac{1}{2}$ " meter. 4 $\frac{1}{2}$ "x12 $\frac{1}{2}$ "x9 $\frac{1}{2}$ ". Less solder. For 115 VAC. Wt., 12 lbs.

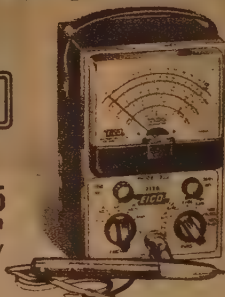
21 B 4146 X. \$5 Monthly44.95
21 B 4145 X. 628. Assembled59.95
Model 610 Adapter. Fits models 666, 625. For testing nuvitors, novars, 10-pins, compactrons. 1 $\frac{1}{2}$ "x2 $\frac{1}{2}$ "x6".
21 B 4312. 610 Kit Form. 1 lb.5.95
21 B 4313. 610-W. Assembled11.95

Eico Test Equipment—Kits or Assembled



NEW!

\$49⁹⁵
Kit
\$5 monthly



\$29⁹⁵
Kit
\$5 monthly



\$25⁹⁵
Kit
\$5 monthly

235-K Professional VTVM

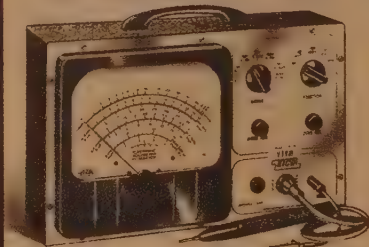
Professional VTVM measures to 0.01 volt on $\frac{1}{2}$ -volt DC transistor range. 2-color 6" meter; 200 μ A. Impedance over 11 megs. Response, 30 Hz to 3 MHz. Balanced-bridge; 1% multipliers. Accuracy $\pm 3\%$. Ranges: DC volts, 0-0.5-1.5-5-15-50-150-500-1500. p-p AC V, 0-4-14-42-140-400-4200; rms AC V, 0-1.5-5-15-50-150-500-1500; 7 resis. ranges, 0.2 ohm to 1000 megs. $8\frac{1}{2} \times 7\frac{1}{2} \times 5\frac{1}{2}$ " "Uni-Probe."
21 B 4338. 9 lbs. \$5 Monthly.....49.95
Model 235-W. Factory Assembled.
21 B 4356. \$5 Monthly.....64.95

232-K Deluxe VTVM

Versatile VTVM has $4\frac{1}{2}$ " meter protected by "no-burnout" circuit. "Uni-Probe" lets you measure AC, DC, and ohms with one probe. Balanced-bridge, 1% multipliers. Ranges: peak-to-peak volts, 0-4-14-42-140-420-1400-4200; DC/rms volts, 0-1.5-5-15-50-150-500-1500; resistance, 0.2 ohm to 1000 megohms in 7 ranges. Response, 30 Hz to 3 MHz. $8\frac{1}{2} \times 5 \times 5\frac{1}{2}$ ". For 117-V, 60 Hz AC. 5 lbs.
21 B 4235. \$5 Monthly.....29.95
Model 232-W. Factory Assembled.
21 B 4236. \$5 Monthly.....49.95

221-K Low-Cost VTVM

Balanced-bridge VTVM boasts 25-meg DC input. Protected $4\frac{1}{2}$ " meter; zero-center scale; 1% multipliers. 20 Ranges: AC-DC volts, 0-5-10-100-500-1000; resistance, 0-1000 megs in 5 ranges. Response, 20 to 200,000 Hz. 7 dB ranges, -20 to +55. Full scale accuracy: DC, $\pm 3\%$; AC, $\pm 5\%$. With leads, "Uni-Probe." Less solder. Size, $9\frac{1}{2} \times 16 \times 5\frac{1}{2}$ ". For 105-135 volts, 50-60 Hz AC. Shpg. wt., 6 lbs.
21 B 4252. \$5 Monthly.....25.95
Model 221-W. Factory Assembled.
21 B 4253 X. \$5 Monthly.....39.95



249-K 7 1/2" VTVM with Uni-Probe and No-Burnout Circuit

Kit
\$39⁹⁵
\$5 monthly
Assembled
\$59⁹⁵
\$5 monthly

Deluxe peak-to-peak VTVM kit offers outstanding styling and performance. $7\frac{1}{2}$ " meter in "no-burnout" circuit. Balanced-bridge circuit with 1% multiplier resistors, zero center scales and exclusive "Uni-Probe." Ranges: peak-to-peak volts, 0-4-14-42-140-420-1400-4200; DC/rms volts, 0-1.5-5-15-50-150-500-1500. Frequency response, 30 Hz per second to 3 MHz. Resistance, 0.2 ohm to 1000 megohms in 7 ranges. Size, $8\frac{1}{2} \times 13 \times 5\frac{1}{2}$ ". Includes all parts and detailed instructions. Less solder. For 105-125 V, 50-60 Hz AC. Wt., 9 lbs.
21 B 4233. Kit Form. \$5 Monthly.....39.95
21 B 4234. 249-W. Factory Assembled.....59.95



20,000
Ohms/Volt
\$24⁹⁵
Kit
\$5 monthly



1000
Ohms/Volt
\$16⁹⁵
Kit

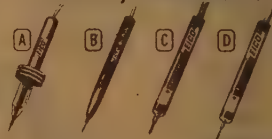
565-K 31-Range VOM

20,000 ohms/volt DC sensitivity; $4\frac{1}{2}$ " meter with 50- μ A movement. Ranges: AC-DC, output volts, 0-2.5-10-50-250-1000-5000 (AC at 1000 ohms/V); DC, 0-100 μ A, 0-10-100-500 mA, 0-10 amps; 2000-200,000 ohms, 0-20 megs; -12 to +55 dB in 5 ranges. With batteries, less leads. $6\frac{3}{4} \times 5\frac{1}{4} \times 3\frac{3}{4}$ ". 4 lbs.
21 B 4268. \$5 Monthly.....24.95
21 B 4269. 565-W. Assembled.....29.95
555-K. Above kit, but 1% resistors.
21 B 4270. \$5 Monthly.....29.95
21 B 4271. 555-W. Assembled.....34.95

566-K 38-Range VOM

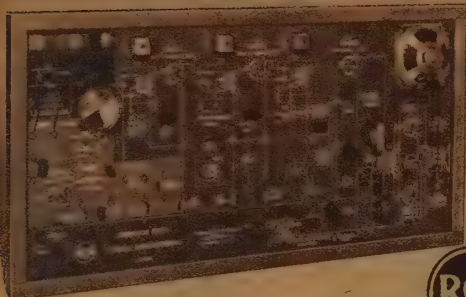
$4\frac{1}{2}$ " meter; rectifier in dual half-wave hook-up; divider resistors. AC/DC ranges: 0-1-5-10-50-100-500-5000 V at 1000 ohms per volt; 0-1-10 mA, 0-0.1 amps; 0-5000-100,000 ohms, 0-1 meg; 6 dB ranges, -20 to +69. With batteries. Less leads, solder. $6\frac{3}{4} \times 5\frac{1}{4} \times 3\frac{3}{4}$ ". Shpg. wt., 3 lbs.
21 B 4260.....16.95
21 B 4261. 566-W. Assembled.....22.95
556-K. Above kit, but 1% resistors.
21 B 4262.....18.95
21 B 4263. 556-W. Assembled.....25.95

Accessory VTVM Probes



- A** HVP-2 Wired Hi-Voltage Probes. Extend VTVM to 30,000 v.
21 B 4240. For Model 221. 740 meg-ohms. Wt., $\frac{1}{2}$ lb.....6.95
21 B 4241. For Models 232, 249. 1090 megohms. Wt., $\frac{1}{2}$ lb.....6.95
- B** Uniprobe. Select DC or AC-ohms.
21 B 4242. UP-K Kit. $\frac{1}{2}$ lb.....4.95
21 B 4243. UP-W. Assembled.....6.95
- C** PTP-11-K. (Not illus.) Peak-to-peak kit for 11-meg VTVMs.
21 B 4245. Wt., 1 lb.....4.95
- D** PRF-25-K. RF kit measures to 250 MHz. For 25-meg VTVMs.
21 B 4249. Wt., 1 lb.....3.95
21 B 4248. PRF25W. Assem.....4.95
- D** PRF-11-K. Above, for 11-meg.
21 B 4251. Wt., 1 lb.....3.95
21 B 4250. PRF11W. Assem.....4.95

RCA Dynamic Demonstrator Kits



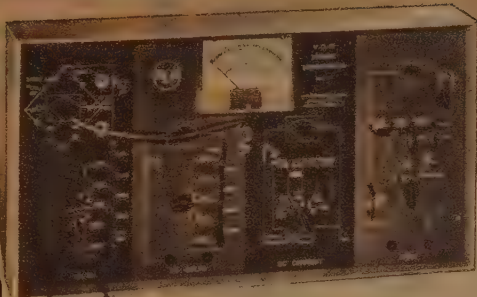
Transistor Radio Demonstrator Kit

- Superhet Radio Actually Works
- Easy to See, Operate and Build
- Includes RCA Transistor Manual

\$39.95
\$5 monthly

Model WE-93A(K). A great teaching aid in classrooms. Lets students see how a transistorized AM superhet radio really works, and test each section themselves. Each part is placed in its position on 24x12" schematic for easy identification, each circuit color-coded. Large panel permits easy positioning of parts. Silver-plated spring connectors hold parts securely, without soldering. With instructions, RCA Transistor Manual. Less batteries. Shpg. wt., 12 lbs.

21 B 4216 L2X. Student Model. 24x12"..... 39.95
21 B 4453 L2X. WE-92A(K). Instructor's Model. 48x24". Deluxe. Double-size for large classrooms. 22 lbs..... 69.95



VOM Dynamic Demonstrator Kit

- Production-Type RCA VOM on 24x12" Board
- Easy to Assemble • Dynamic Teaching Aid
- With 24-Page Manual and Full Instructions

\$37.95
\$5 monthly

Model WE-95A(K). A dynamic teaching aid that demonstrates principles of meters and metering circuits in science classes at high school or trade school level. Consists of RCA production-type VOM in easy-to-assemble kit form. Separate schematic and wiring diagrams printed on large layout panel. Components are positioned on front panel in their proper place in each circuit, with circuit functions color-coded. With 24-page manual "Learning Basic Electronic Measuring Circuits," assembly instructions. 24x12" panel. Less batteries. 10 lbs.

21 B 4217 L2X. \$5 Monthly..... 37.95

Famous Eico Test Equipment, Kits and Assembled



A \$25.95 680-K

B \$14.95 1140-K

A 680-K Transistor and Circuit Checker Kit. Measures I_{CBO} , I_{CEO} , DC Beta, simulated AC Beta. 20k ohm/V meter reads 0.5-50 VDC; 0-2000-200k ohms, 0-20 meg; 0.50-500 μA , 0.5-50-500 mA DC. 3x5 $\frac{1}{4}$ x6 $\frac{3}{4}$ ". With leads and batteries.

21 B 4149. 3 lbs. \$5 Monthly..... 25.95
21 B 4148. 680-W. Assembled..... 39.95

B 1140-K R-C Box Kit. 1350 in-circuit substitutions. Resis., 15 ohms to 10 meg; capacitance, 0.0001 to 0.22 μF . $\pm 10\%$. 5 $\frac{1}{2}$ x6 $\frac{3}{4}$ x2 $\frac{1}{8}$ ".

21 B 4111. Wt., 3 lbs..... 14.95
21 B 4110. 1140-W. Assembled..... 23.95

C 955-K Capacitor Tester Kit. Wien bridge permits in-circuit measurement (0.1-50 μF) with shunt as low as 35 ohms. $\pm 10\%$. Short test up to 2000 μF ; open test down to 15 μF . 8 $\frac{1}{2}$ x5 $\frac{1}{4}$ x6". Less leads. AC.

21 B 4103 X. Wt., 6 lbs..... 19.95
21 B 4102 X. 955-W. Assembled..... 39.95

D 1180-K Capacitor Decade Box Kit. 100 pF to .111 μF in 1000 pF steps. 350 WVDC. $\pm 1\%$ silvered mica capacitors. 9x3 $\frac{1}{2}$ x3 $\frac{1}{2}$ ". Less leads.

21 B 4105. Wt., 3 lbs..... 17.95
21 B 4104. 1180-W. Assembled..... 24.95

950-K R-C Bridge/R-C-L Comparator

Measures (4 ranges) 0.5 ohm to 500 megohms and 10 pF to 5000 μF . Has .05 to 20 comparator range. Variable 0-500 volt DC source tests capacitors for shorts, leakage. Measures power factor of electrolytics. Less leads. 8x10x4 $\frac{1}{2}$ ". 105-125 VAC.

21 B 4101. Wt., 10 lbs. \$5 Monthly..... 25.95
21 B 4100 X. 950-W. Factory Assembled..... 34.95



NEW!

0.25-Volt Full-Scale
DC Transistor Range



567-K 20K/Volt VOM

Protected
Meter Movement

\$34.95

Versatile VOM measures DC voltage from 0.005 to 5000 volts. Easy-to-read 4 $\frac{1}{2}$ ", 50- μA meter is fully protected by two silicon diodes. Sensitivity; 20,000 ohms/volt DC, 5000 AC. 1% resistors. Ranges: AC/DC volts, 0.25-10-50-250-1000-5000 plus 0.25-volt DC range; DC current, 0-100 μA , 0-10-100-500 mA, 0-10 amps; 5 dB ranges, -12 to +55; 0-2000 ohms, 0-0.2-20 meg. Response, 10 to 50,000 Hz. 6 $\frac{1}{2}$ x5 $\frac{1}{4}$ x3". Wt., 3 lbs.

21 B 4357. \$5 Monthly..... 34.95
21 B 4358. 567-W. Assembled. 44.95



Popular Simpson Test Equipment

Burnout-Proof Model 260-5P VOM

\$88.00

\$5 monthly

- Sensor Assures Dependable Overload Protection
- 20,000 Ohms/VDC Sensitivity, 5000 Ohms/VAC
- Accurate Within 2% on DC, 3% on AC



260-5

\$58.00

\$5 monthly

This popular VOM boasts an electronic circuit-protector for thorough overload protection. Ends burned-out meters and resistors, bent pointers, damaged pivots, cracked jewels, and inaccuracies caused by overloading. Polarity switch, spring-backed jewels, and full-wave bridge rectifier allow faster and more accurate measurements. AC response, 5-500,000 Hz. Ranges: DC mV, 0-250; AC and DC V, 0-2.5-10-50-250-1000-5000; AF output V, 0-2.5-10-50-250; DC μ A, 0-50; DC mA, 0-10-100-500; DC amps, 0-10; Resistance, 0-20 meg in 3 ranges with center-scale readings of 12, 1200, and 120K ohms; Decibels, -20 to +50 in 4 ranges. $7 \times 5 \frac{1}{4} \times 3 \frac{1}{8}$ ". With battery, test leads. Shpg. wt., 5 lbs.

51 B 5035, \$5 Monthly. **88.00**

51 B 9199, Model 260-5. Low-cost, highly reliable VOM. Same deluxe features as above, but without overload protection. With battery, leads. 5 lbs. \$5 Monthly. **58.00**

51 B 9585, 260-5M. Above with mirror scale. $6 \frac{1}{2}$ lbs. **60.00**

51 B 9200, Model 260RT. Model 260-5 in roll-top case. Size, $9 \times 6 \frac{1}{2} \times 4 \frac{3}{4}$ ". 9 lbs. \$5 Monthly. **64.00**

51 B 9586, 260-5M RT. Model 260-5M in roll-top case. Shpg. wt., 10 $\frac{1}{2}$ lbs. \$5 Monthly. **66.00**

Accessories for Simpson Series 260 and 270 VOM's

Probes, Leads and Carrying Cases. Burnout-proof Model 260-5P takes all accessories below, except Type 8375 Test Leads. See table for other models.

Stock No.	Type	Description	For Models	Lbs.	EACH
51 B 9210	0508	HV probe; 25 kV range	260-3, 4 or 5	$\frac{1}{2}$	15.00
51 B 9202	0609	HV probe; 50 kV range	260-3, 4 or 5	$\frac{1}{2}$	15.00
51 B 9196	8375	Leads; alligator clips L terms	260-3	$\frac{1}{2}$	2.50
51 B 9203	7500	Leads; banana plugs allig. clip	260-4	1	2.50
51 B 9151	0805	Ever-Ready Leather Case	260, 270, 303	2	12.00
51 B 9162	1818	Standard Leather Case	260, 270	2	10.00

Plug-In Adapters. Turn any 260 or 270 made since 1947 into 8 different testers. $4 \frac{3}{8} \times 5 \frac{1}{2} \times 6 \frac{1}{2}$ ". 2 lbs.

Stock No.	Type	Function	Description	EACH
51 B 9334	650	Transistor Tester	0-100 μ in 3 beta ranges	38.00
51 B 9336	651	DC Resistance Tester	0-0.5-1.0-2.5-5 ohms	45.00
51 B 9337	652	Temperature Tester	-50° to +250° F. in 2 ranges	43.00
51 B 9338	653	AC Ammeter	0-0.25-1.25-12.5-25 A. 50-3000 Hz	26.00
51 B 9339	654	Audio Wattmeter	.17 μ W to 100 W. 4/8/16/60 ohms	28.00
51 B 9340	655	Micromvolt Attenuator	7.5-250,000 μ V, decade steps	26.00
51 B 9342	656	Battery Tester	Up to 90 volts	26.00

Complete Line of Simpson Test Equipment

SIMPSON VOM'S

Stock No.	Mfr's Type	Description	Wt., Lbs.	EACH
51 B 9591	160	Compact VOM	6	50.00
51 B 9619	250	VOM	4	63.00
51 B 9620	255	VOM	4	90.00
51 B 9589	U 260	Classroom Demonstrator VOM	15	24.50
51 B 9154	262	Microammeter VOM	6	75.00
51 B 9212	263	Dual-Sensitivity VOM	4	88.00
51 B 9153	269-2	Microammeter VOM	6	90.00
51 B 9209	270	AC-DC VOM	5	70.00
51 B 9228	270RT	AC-DC VOM	5	76.00

SIMPSON VTVM'S

51 B 9148	303	AC-DC VTVM	$6 \frac{1}{2}$	85.00
51 B 9152	303RT	AC-DC VTVM	8	91.00
51 B 9587	X 311	AC-DC VTVM	8	85.00
51 B 9623	312	AC-DC VTVM	5	90.00
51 B 9239	715	AC VTVM	5	75.00

OTHER SIMPSON TEST EQUIPMENT

51 B 9163	240	VOM Hammer	3	40.00
51 B 9254	355	VOM Midger Tester	2	47.00
51 B 9197	362	Low Ohmmeter Micro-Tester	3	35.00
51 B 9165	370	AC Ammeter Micro-Tester	3	35.00
51 B 9166	372	Ohmmeter Micro-Tester	$3 \frac{1}{2}$	35.00
51 B 9204	373	DC Milliammeter Micro-Tester	3	35.00
51 B 9205	374	DC Microammeter Micro-Tester	3	35.00
51 B 9206	375	DC Ammeter Micro-Tester	3	35.00
51 B 9630	X 381A	Capacitometer	12	130.00
51 B 9207	385-3L	Temperature Meter	2	40.00
51 B 9159	388-3L	Thermometer	6	75.00
51 B 9201	389-3L	Temperature Meter	6	70.00
51 B 9164	390	Volt-Amp-Wattmeter	4	60.00
51 B 9890	603	Strip Chart Recorder 0-50 Mic. DC	4	110.00
51 B 9851	603	Strip Chart Recorder 0-100 Mic. DC	4	105.00
51 B 9852	603	Strip Chart Recorder 0-250 Mic. DC	4	101.00
51 B 9853	603	Strip Chart Recorder 0-1 mA DC	4	90.00
51 B 9854	603	Strip Chart Recorder 0-15 V DC	4	100.00
51 B 9855	603	Strip Chart Recorder 0-150 V DC	4	100.00
51 B 9856	603	Strip Chart Recorder 0-5 V AC	4	110.00
51 B 9857	603	Strip Chart Recorder 0-150 V AC	4	115.00
51 B 9858	603	Strip Chart Recorder 0-300 V AC	4	120.00
51 B 9624	X 604	Volt-Amp-mA- μ A Multicorder	6	200.00

SIMPSON SCOPE

Stock No.	Mfr's Type	Description	Wt., Lbs.	EACH
51 B 9643	U 466	5" Handiscope	29	180.00

SIMPSON ACCESSORIES

51 B 5136	0010	15' Thermistor Lead, 385-3L, 389-3L	$\frac{1}{2}$	7.00
51 B 9150	0073	RF Probe for Model 303	1	10.00
51 B 9149	0074	High Voltage Probe for Model 303	1	15.00
51 B 9604	0152	RF Probe for Model 312	1	10.00
51 B 9213	0158	High Voltage Probe for Model 263	1	15.00
51 B 9606	0161	High Voltage Probe for Model 255	1	15.00
51 B 5289	0173	High Voltage Probe for Model 269	2	15.00
51 B 9158	0181	High Voltage Probe for Model 269	2	15.00
51 B 9160	0187	Surface Temperature Probe, 388-3L	1	10.00
51 B 9161	0190	General Purpose Probe	1	6.00
51 B 5137	0216	30' Thermistor Lead, 389-3L, 385-3L	1	8.00
51 B 5138	0415	50' Thermistor Lead, 389-3L, 385-3L	$1 \frac{1}{2}$	9.00
51 B 5140	0417	150' Thermistor Lead, 389-3L, 385-3L	$4 \frac{1}{2}$	15.00
51 B 9210	0508	High Voltage DC Probe	$\frac{1}{2}$	15.00
51 B 9202	0509	High Voltage DC Probe	$\frac{1}{2}$	15.00
51 B 9625	0531	Clamp-on Adapter Model 255	1	30.00
51 B 9622	0549	Carrying Case	2	18.00
51 B 9621	0574	High Voltage Probe Case	1	5.00
51 B 9626	0577	Case for Model 312	2	15.00
51 B 9862	0683	Special Gear Train Unit for 604	$\frac{1}{4}$	30.00
51 B 9211	0731	High Frequency Probe, Model 311	1	15.00
51 B 9208	0732	High Voltage Probe, Model 311	1	15.00
51 B 5135	0789	Free-Air Temp. Probe, 385-3L	1	10.00
51 B 5141	0790	Surface Temperature Probe, 389-3L	1	7.00
51 B 9863	02611	Ever-Ready Carrying Case for 604	$1 \frac{1}{2}$	25.00
51 B 9605	1055	High Voltage Probe, Model 312	1	15.00
51 B 5593	2055	Probe Tip Test Lead, Model 360	1	2.75
51 B 9594	2225	Carrying Case for Model 160	1	9.50
51 B 9225	4236	Carrying Case, 250, 260, 261, 270	2	10.00
51 B 9155	5262	Carrying Case, Models 262, 269	2	12.00
51 B 9157	6355	Leather Case for 355 VOM	$\frac{1}{2}$	5.00
51 B 9198	8600	Extra Lead for 355 VOM	$\frac{1}{2}$	2.50
51 B 9615	2612	Chart Paper for Model 604 (Box of 10 rolls)	2	19.50
51 B 9859	20196	Carrying Case for Model 603	2	20.00
51 B 9860	20195	Takeup Reel for Model 603	1	15.00
51 B 9861	20097	Chart Paper for Model 603 (Box of 6 Rolls)	1	13.55

Accurate, Easy-to-Use Instruments by Triplett



11-Meg
VTVM Input **\$7800** \$5
monthly

Model 631 VTVM-VOM

VTVM and VOM at the price of a single tester. Single-switch selector for VTVM or VOM operation. Large easy-to-read 5 1/2" meter with unbreakable face. Spring-backed jewels for ruggedness. Long-life battery operation. Accuracy: VOM, 3% DC, 4% AC; VTVM, 1%. Ranges: VTVM DCV, 0-1.2-6-60-120 (11 megs input imp.); VOM DC volts, 0-3-12-60-300-1200 (20,000 ohms/volt); AC and audio volts, 0-3-12-60-300-1200 (5000 ohms/volt); DC current, 0-60 μ A, 0-1-12-120-1200 mA, 0-12 amps; IB, -20 to +83; Ohms, 0-1500-5K, 0-1.5-150 megs. 7 1/2 x 5 1/2 x 1 1/2". With test leads, alligator clips, batteries, rubber feet, and detailed instruction manual. Shpg. wt., 4 1/2 lbs.

51 B 9113. \$5 Monthly.....78.00



.1 Ohm to 100 Megs **\$5800** \$5
monthly

Model 630 VOM

Has the accuracy of some VOM's costing much more. 1% ultra-accurate resistors give $\pm 2\%$ accuracy on DC, $\pm 3\%$ on AC. Usable through 500 kHz. Single selector switch for all functions and ranges minimizes chance of an incorrect setting and possible burnout. Resistance can be accurately read from .1 ohm to 100 megs. DC volt-meter sensitivity, 20,000 ohms/V. AC, 5000 ohms/V. Ranges: DC and AC volts, 0-3-12-60-300-1200-6000; DC current, 0-60 μ A, 0-1-12-120 mA, 0-12 amps; Resistance, 0-1000-10,000 ohms, 0-1-100 megs; Decibels, -20 to +70 (600-ohm line at 1 mW); Output volts, 0-3-12-60-300-1200 (jack has capacitor). 7 1/2 x 5 1/2 x 3 1/2". Batteries, leads, manual, 6 lbs.

51 B 9118. \$5 Monthly.....58.00



\$4200
\$5 monthly

Model 310 Compact VOM

Popular, compact VOM. Small, but no sacrifice in range, quality, or workmanship. Provision for attaching Model 10 clamp-on AC ammeter. Interchangeable test prod can be plugged into jack at top of VOM to make it the common probe and free one hand. Single function and range switch. Rugged spring-backed jeweled movement. Self-shielded for use in strong magnetic fields. Sensitivity, 20,000 ohms/V DC, 5000 ohms/V AC. Accuracy, $\pm 3\%$ DC, $\pm 4\%$ AC. Ranges: DC and AC volts, 0-3-12-60-300-1200; DC mA, 0-6-60-600; DC μ A, 0-600; Resistance, 0-20K-200K ohms, 0-2-20 megs. Size, 4 1/4 x 2 3/4 x 1 5/16". With batteries, leads, manual, 4 lbs.

51 B 9667. \$5 Monthly.....42.00

Complete Line of Triplett Test Equipment

Here is Triplett's entire line of VOM's and other test equipment, featuring high quality and accuracy. In Triplett's extensive line of VOM's you get large, easy-to-read reprinted scales; easy-to-operate single-switch function and range selector; more ohmmeter ranges to allow higher and lower readings; fuse protection in ohmmeter ranges to prevent damage to precision resistors; self-shielded Bar-Ring

meter construction to protect movement against stray magnetic fields; spring-backed instrument jewels to give additional ruggedness to meter movement; heavy-duty phenolic case to protect instrument against damage from rough handling. Feature-packed Triplett instruments are not only versatile, easy to operate, and accurate, but offer outstanding value for your test equipment dollar.

TRIPLETT VOM'S

Stock No.	Mfr's Type	Description	Wt., Lbs.	EACH
51 B 5095	100	VOM and AC Ammeter Outfit	7	74.00
51 B 5096	310C	VOM	2	53.00
51 B 9121	630A	VOM	5	68.00
51 B 9690	630APL-3	VOM	5	68.00
51 B 9693	630A PLK	Burnout-Proof VOM	5	100.00
51 B 9692	630L	VOM	5	63.00
51 B 9230	T-630M	Professional VOM	5	210.00
51 B 9110	630NA	Deluxe VOM	5	89.00
51 B 9691	630NS	200,000 Ohms-Volt VOM	5	105.00
51 B 9229	630PIL	VOM	5	58.00
51 B 5299	630PLK-2	Burnout-Proof VOM	5	89.00
51 B 9114	666R	Pocket VOM	3	42.00
51 B 9071	800	Lab-Type VOM	7	105.00

OTHER TRIPLETT TEST EQUIPMENT

Stock No.	Mfr's Type	Description	Wt., Lbs.	EACH
51 B 9618	2500	Transistor Tester	6 1/4	68.00
51 B 9645	X-3414	Tube Tester	16 1/2	126.00

TRIPLETT VTVM

Stock No.	Mfr's Type	Description	Wt., Lbs.	EACH
51 B 9257	850	VTVM	7	89.00

TRIPLETT ACCESSORIES

51 B 9231-10	AC Ammeter Adapter	1	18.00	
51 B 9232-101	Line Separator for Model 10	1	7.50	
51 B 9235-311	Lead for Model 10	1/2	3.00	
51 B 9195-379	Leather Case for Model 10	3	7.50	
51 B 9256-611	Lead for Model 10	1/2	3.00	
51 B 9119-639-N	Black Cowhide Case for 630 Series	1/2	12.00	
51 B 9116-639-P	Black Cowhide Case for 630 Series	1/2	17.00	
51 B 5280-669-OS	Black Leather Case for 666R Series	1/2	8.50	
51 B 9111	T-2247-BV CRT Adapter for Model 3414	1	8.50	
51 B 9120T-255A-35	Stand for 630 Series	1/2	2.00	
51 B 9112	T-79-70	Probe for 630, 630A, 631	1/2	17.00
51 B 9215	T-70-71	Probe for 630, 630A, 631	1/2	17.00
51 B 9258	T-79-83	Probe for 630PL, 630APL, 630L	1/2	17.00
51 B 9259	T-79-130	Probe for 630PL, 630APL, 630L	1/2	17.00
51 B 9260	T-79-145	Probe for 630, 630A, 631	1/2	9.00
51 B 9193	T-79-196	Probe for 850	1/2	24.00
51 B 9261	T-79-215	Probe for 850	1/2	8.50
51 B 9146	369 Leather Case for Model 310	1/2	4.00	

Specially Selected Test Equipment



**Precision-Apparatus
Model 120 VOM**

\$5600

\$5 monthly

- 5" Mirrored Scale
- AC/DC Volts to 4000
- Low 0.3 VDC Range

Features 5" mirrored-scale meter with protected movement and 2% DC, 3% AC accuracy; polarity reversal switch; extra-low ranges of 0.3 VDC and 2 ohms center-scale. Other ranges: AC/DC volts, 0-1.2-3-12-60-300-600-1200-6000 (20,000 ohms/V DC, 5000 AC); AC output V to 600; DC current, 0-60-300 μ A, 0-1.2-12-120-600 mA, 0-12 amps; ohms, 0-200-2000-200K, 0-2-20 meg; 8 dB ranges, -20 to +77. Batteries, leads, manual. 7x5 $\frac{3}{8}$ x3 $\frac{3}{8}$ ".

- 21 B 4283. Wt., 4 lbs. \$5 Monthly 56.00
21 B 4522. Model 120M. Same as above, but 1 $\frac{1}{2}$ % multipliers for 1 $\frac{1}{2}$ % DC accuracy, 3% AC. Wt., 4 lbs. 65.00
21 B 4523. TV-2C 30,000 VDC Probe. 2 lbs. 12.95
21 B 4285. Carrying Case. For 120, 120M. Wt., 3 lbs. 8.95



NEW!

**Precision-Apparatus
Model V75 VTVM**

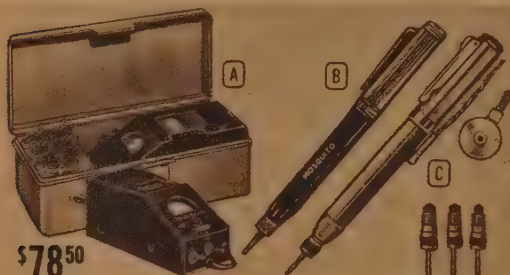
\$5995

\$5 monthly

- AC/DC/Ohms Uni-Probe
- Battery Eliminator
- Zero Center Scale

Reliable, convenient VTVM has 5" scale, battery eliminator, polarity reversal switch, transit position for movement protection. With AC/DC/Ohms Uni-Probe with switch. Ranges: AC rms and DC volts, 0-1.5-5-15-50-500-1500 plus 150 AC; AC p-p V, 0-4-14-40-140-400-1400-4000; 7 resistance ranges to 1000 meg. 11-meg input. Accuracy, $\pm$ 3% DC, $\pm$ 5% AC. Response, 40 Hz to 3 MHz. 7 $\frac{1}{2}$ x5 $\frac{3}{8}$ x4 $\frac{1}{4}$ ". 117 V, 50/60 Hz.

- 21 B 4519. Wt., 6 lbs. \$5 Monthly 59.95
21 B 4524. Model V95. As above, with 7" mirrored scale and 0.5 VDC range. 7 $\frac{1}{2}$ x7 $\frac{1}{4}$ x4 $\frac{1}{4}$ ". 6 lbs. 79.95
21 B 4521. AV-1A RF Probe. Up to 250 MHz. 1 lb. 7.95
21 B 4456. AV-2A 60,000 VDC Probe. 1 lb. 12.95



A Millen 90651 Grid-Dip Meter

Calibrated, stable RF oscillator with 2" meter for reading grid current and checking resonance. Plug-in coils cover 1.7 to 399 MHz; 7 direct-reading scales. 7x3 $\frac{3}{8}$ x3 $\frac{3}{8}$ " high. For 110-120 V, 60 Hz AC. 3 $\frac{1}{2}$ lbs. 21 B 4324. \$5 Monthly 78.50

Extra Coils. To extend frequency coverage. Wt., 3 oz.

Stock No.	Mfr's Type	kHz Range	EACH
21 B 4325	46702	925-2000	9.40
21 B 4326	46703	500-1050	9.40
21 B 4327	46704	325-600	9.40
21 B 4328	46705	220-350	9.40

Don Bosco Pen-Size Signal Tracers

B "Mosquito." Locates defective circuits quickly and accurately. Cordless, with detachable probe. Transistor oscillator generates signal rich in IF and RF harmonics. Powered by penlight battery. Couples to magnetic circuits without leads. 5 $\frac{5}{8}$ " long, 1 $\frac{1}{2}$ " dia. 21 B 4301. Shpg. wt., 3 oz. 9.95

C Stehotracer. Transistorized signal tracer detects or demodulates any low level mW audio or modulated RF signal. Range, 60 Hz to 200 MHz. Gain is 60 dB. 5 $\frac{5}{8}$ " long, 1 $\frac{1}{2}$ " dia. With earphone, 3 attenuator probes, crystal-diode probe, ground clip lead, battery. 21 B 4292. Shpg. wt., 3 oz. \$5 Monthly 34.95

Handy Low-Cost Testers



D Emico AC Voltage Tester. Plugs into AC outlet, detects high or low line voltage. 0-150 volt range. Prongs swivel 90° for reading from any position. 2" meter is damped, has $\pm$ 5% accuracy. Shockproof case. 8 oz. 21 B 4368. 3.38

E AMF Circuit Tester. Glow tester checks continuity, shorts, grounds, opens. Dim light indicates poor connection. No light when resistance exceeds 10 ohms. Use for dead circuits only. Requires 2 penlight cells. 21 B 4370. Shpg. wt., 3 oz. 1.35

F G-C Neon Glow Tester. Used for finding hot AC leads, checking fuses, appliance repair. Lights from 60 VAC-90 VDC to 550 VAC-VDC. 5" leads. 3 oz. 21 B 4369. 44¢



Amprobe Junior Volt-Amp Tester

Snap-around volt-amp testers provide 3% accuracy at full scale. For conductors up to 1 $\frac{1}{2}$ " diameter. Scale length, 1.8". Overall size, 4 $\frac{3}{8}$ x2 $\frac{1}{2}$ x1 $\frac{3}{8}$ ". With leads. Order leather case below. Shpg. wt., 1 lb.

Stock No.	Model	Voltage Range	Amps	EACH
51 B 9089	V25	0-125-250	0-25	22.50
51 B 9168	V550	0-150-600	0-50	22.50
51 B 9169	V500	0-150-600	0-100	22.50

51 B 9105. Leather Case for Above. 1 lb. 3.25

"Metergard" Prevents Meter Damage



Protects against bent pointers, damaged pivots and coils. Wires across 25 μ A to 25 mA meter to protect against 10,000% overload. Won't destroy accuracy. 51 B 5627. Wt., 2 oz. 2.95

New! Solid-State Modules for Hobbyists



SOLID-STATE MODULES

Your Choice

\$2⁹⁸
Each

Intercom Amplifier

AI-C-3. Complete solid-state circuit for sensitive intercom. Use with A, two D (or E), J and L below.
24 B 9465 2.98

Public Address Amplifier

APA-3. Portable high-grain PA system can be used anywhere. Use with A, D (or E), F, K and M, below.
24 B 9466 2.98

Baby-to-Nurse Amplifier

ABN-3. Sensitive listening system serves as a remote baby sitter. Use with A, D (or E), F, and L, below.
24 B 9467 2.98

Guitar Amplifier

AGA-3. Electrify your guitar with this sensitive amplifier. Use with A, D (or E), F and M, listed below. Also needs guitar contact mike.
24 B 9468 2.98

Electronic Siren

ASM-3. Loud siren simulates wail of mechanical sirens. Use with A, D (or E), F and G, listed below.
24 B 9469 2.98

Signal Injector for RF and AF Troubleshooting

ASI-3. Supplies combined output signal of 2kHz AF with modulated RF har-

CB Microphone Preamp

AMP-3. Doubles output of your mike. Use with B, F and N, below. Requires short length of shielded mike cable.
24 B 9470 2.98

Electronic Burglar Alarm

ABA-3. High-volume siren protects lives and property. Use with A, D (or E), F and H, listed below.
24 B 9471 2.98

Telephone Amplifier

ATA-3. Telephone amplifier permits group telephone listening. Use with A, D (or E), F, M and R, below.
24 B 9472 2.98

AM Wireless Mike Transmitter

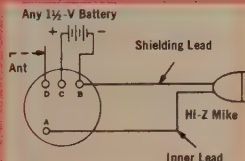
AWM-3. Transmit into your AM radio. No license required, using antenna up to 10-ft. long. Input is under 100 mW. Use with C, K, below.
24 B 9473 2.98

FM Wireless Mike Transmitter

AFM-3. Transmit your voice to your FM radio. No license required. Use with B and K, below.
24 B 9474 2.98



Amazing
Space-Age
Electronics



AFM-3 MODULE

These amazing modules introduce you to the new world of micro-miniature electronics at a price any hobbyist or experimenter can afford. Each module contains the complete solid-state circuit for such electronic devices as amplifier, intercom, PA, and more.

By making only a few simple connections to battery, switch, speaker or other accessories (listed below), you can create and enjoy many fascinating and useful electronic devices at a surprisingly low cost.

Modules are permanently encapsulated in practically indestructible plastic nuggets. Each has been designed for its own specific application, and all are American made in accordance with the best modern engineering methods.

Modules are 1 1/2 x 1 1/2 x 1/8", except AMP-3 and AFM-3. These are 2 x 1 1/2 x 1/2". Average shpg. wt., 6 oz.

SELECTED ACCESSORIES FOR USE WITH MODULES

- A** Type 510S 6-Volt Lantern Battery. For modules requiring 6 V batt. Has binding posts. 1 1/2 lbs.
18 B 5085 92¢
- B** Type 2R 1 1/2-Volt Battery. Provides 1 1/2 volts. Wt., 1/2 lb.
18 B 5866 Pkg. of 2 for 33¢
- C** Knight 9-Volt Battery. Made in America. Shpg. wt., 6 oz.
18 B 5980 Pkg. of 2 for 59¢
- D** 8" Round Speaker, 8 Ohms. Ideal for use with modules requiring an efficient, quality PM speaker. Shpg. wt., 1 1/2 lbs.
24 B 9530 2.49
- E** 4" Square Speaker, 8 Ohms. Can be used with modules where less output or sensitivity is required. Shpg. wt., 12 oz.
24 B 9533 79¢

- F** Type 41047 SPST Switch. Rotary SPST switch can be used as on-off with module circuits. 2 oz.
56 B 4165 42¢
- G** Type 188 Pushbutton Switch. Momentary-contact SPST switch.
56 B 4890, 2 oz. 45¢
- H** Type BRD2-5L-IS Interlock Switch. Flat base, solder terminals.
56 B 3971, 4 oz. 1.75
- J** Type G342 4PDT Switch. 4PDT slide switch for use with Intercom module. Has solder-lug terminals. Shpg. wt., 3 oz.
56 B 5036 65¢
- K** Crystal Lapel Mike. High-impedance mike. Response: 60-5000 Hz.—50 dB output. From Japan. Shpg. wt., 4 oz.
24 B 9881 98¢

- L** Type U-12 5000-Ohm Control. Volume control.
46 B 3751 3 oz. 1.02
- M** Type U-53 1-Megohm Control.
46 B 3776 3 oz. 1.02
- N** Type U-48 1/2-Megohm Control.
46 B 3773 3 oz. 1.02
- P** Telegraph Key. Fully adjustable key has brass base with shorting bar, silver contacts. 2 lbs.
17 B 6656 2.35
- R** Magnetic Telephone Pickup. Attaches to phone with suction cup. Shielded cable.
24 B 9392. Shpg. wt., 4 oz. 98¢
- S** Guitar Contact Mike. Clip-on type. Lightweight. Volume control. Shpg. wt., 3 oz. Japan.
24 B 9002 1.88

YOUR CREDIT'S GOOD AS GOLD AT ALLIED

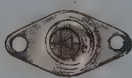
Special Bargains for Experimenters, Hobbyists

GERMANIUM AND SILICON UNIVERSAL REPLACEMENT TRANSISTORS

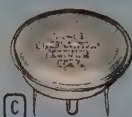
ALLIED



A



B



C



D



E



F



G

- Engineered for Aerospace Industry
- Replace Over 5000 Different Types
- Only 20 Types Needed for Adequate Stock
- Free Transistor Cross-Reference Guide

Twenty selected top-quality germanium and silicon general-purpose and universal replacement transistors. Replace over 5000 JEDEC, domestic, and foreign transistors. Their quality typifies the engineering excellence required by the aerospace industry. Av., 2 oz. Free transistor cross-reference guide. 23 B 7395 G. Transistor Guide FREE when requested with order.

Germanium Transistors

B TR-01, High-Power PNP Audio-Frequency, TO-3 Case. DC gain, 60; I_C , 37 A; V_{CE} , 60 VDC; P_C , 90 W. 24 B 9787.....76¢

B TR-02, Medium-Power PNP General-Purpose, TO-3 Case. DC gain, 70; I_C , 35 A; V_{CE} , 30 VDC; P_C , 90 W. 24 B 9791.....67¢

C TR-03, High-Power PNP Audio-Frequency, TO-36 Case. DC gain, 150; I_C , 15 A; V_{CE} , 80 VDC; P_C , 150 W. 24 B 9789.....1.34

G TR-05, General-Purpose PNP Audio-Frequency, TO-5 Case. DC gain, 80; I_{CBO} , <10 μ A; P_C , mW; 12 VDC. 24 B 9788.....88¢

G TR-06, Universal PNP Radio-Frequency, TO-5 Case. DC gain, 30; V_{CE} , 15 V; I_{CBO} , <10 μ A; P_C , 200 mW. 24 B 9790.....76¢

G TR-08, Universal NPN Radio-Frequency, TO-5 Case. DC gain, 30; V_{CE} , 15 V; I_{CBO} , <10 μ A; P_C , 200 mW. 24 B 9775.....82¢

G TR-09, General-Purpose PNP Audio-Frequency, TO-5 Case. DC gain, 120; V_{CE} , 25 V; I_{CBO} , <10 μ A. 24 B 9792.....82¢

G TR-10, Universal NPN Intermediate-Frequency, TO-5 Case. DC gain, 25; V_{CE} , 15 V; I_{CBO} , <10 μ A; P_C , 200 mW. 24 B 9776.....67¢

(For replacement use in imported radios, tape recorders, TV sets, etc.)

A TR-16, Power PNP Audio-Frequency, JEDEC TO-3 Case. DC gain, 75; V_{CE} , 32 V. Germanium alloy. 24 B 9783.....1.26

D TR-11, Universal Radio-Frequency, JEDEC TO-44 Case. CG, 32 dB at 1 MHz; I_C , 5 mA; V_{CE} , 18 V; P_C , 150 mW. 24 B 9782.....67¢

D TR-12, Multiband Drift, JEDEC TO-44 Case. DC gain, 80; P_G , 40 dB at 1 MHz; V_{CE} , 18 V; P_C , 150 mW. 24 B 9784.....76¢

D TR-14, General-Purpose Audio-Frequency, JEDEC TO-44 Case. DC gain, 140; P_G , 46 dB (LF); I_C , 50 mA; V_{CE} , 25 V; P_C , 150 mW. 24 B 9786.....98¢

Subminiature Types

(PNP germanium diffused mesa transistors in JEDEC TO-17/18 case with aux. case-grounding lead.)

E TR-17, High-Frequency. DC gain, 2; CG, 16 dB at 100 MHz; V_{CE} , 20 V. 24 B 9793.....98¢

E TR-18, Ultra-High-Speed Switching. DC gain, 80; V_{CE} , 15 V. For use in switching pulse circuits such as flip-flops and gates. 24 B 9785.....2.11

New Silicon Transistors

TR-19, Universal PNP, to 50 MHz, TO-5 Case. (Not illus.) DC gain, 60 at 150 mA; I_C , 500 mA; P_C , 500 mW. 24 B 9781.....98¢

F TR-20, Universal PNP, to 100 MHz, TO-18 Case. DC gain, 90 at 2 mA; I_C , 100 mA; P_C , 200 mW. 24 B 9779.....76¢

F TR-21, Universal NPN Subminiature, to 50 MHz, TO-18 Case. DC gain, 90 at 150 mA; I_C , 500 mA; P_C , 500 mW. 24 B 9777.....84¢

F TR-22, Universal NPN Subminiature, to 100 MHz, TO-18 Case. DC gain, 100; I_G , 100 mA. 24 B 9780.....67¢

TR-23, Power NPN, TO-66 Case. (Not illus.) DC gain, 120; I_C , 100 mA; V_{CE} , 300 V. 24 B 9778.....2.21

TR-24, Universal NPN High-Frequency, (Not illus.) DC gain, 100 at 25 mA; P_C , 500 mW. Low noise. 24 B 9794.....1.28

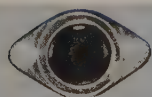


Photo-Multiplier Power Transistor

\$1.89 Basic Photo-Control Unit

Make your own photo-control system. Ideal for door openers, burglar alarms, door chimes, counters, electronic targets and toys, etc. Includes complete instructions for various applications. Shpg. wt., 4 oz. 24 B 9478.....1.89



G. E. Encapsulated Miniature Selenium Rectifier

2 for \$1.49 Tiny Rectifier Has Many Uses

G. E. single-phase, full-wave, open-bridge miniature rectifier. Input Voltage: 135 V rms max.; Output Current: 100 mA DC. Shpg. wt., 2 oz. 24 B 9487.....Pkg. of 2/1.49

38-Piece Semiconductor Assortment

\$1.98

Special, Low Price

Assortment contains 4 PNP transistors, 4 NPN transistors, 2 power transistors (TO-3 case), 4 silicon rectifiers (2 amp), 20 germanium diodes, 4 zener diodes (3/4 watt). 4 oz. 24 B 9477.....1.98

Project Manuals for Experimenter and Hobbyist

See Page 406 of This Catalog

There are electronic projects galore in these comprehensive manuals—enough to satisfy the most avid experimenter or hobbyist. They are informative, educational, and fun. Allied has the latest of them in stock.

Component Parts at Unbeatable Low Prices

Carbon Resistor Assortment Bargains

Low As **\$1.29** Stock up Now at Big Savings

1/2 Watt. Famous brands. $\pm 10\%$ tol. Two each: 3.9, 10, 12, 15, 22, 27, 39, 82, 120, 150, 180, 270, 390, 470, 560, 680, 820, 1200, 1800, 2700, 3300, 3900, 5600, 6800, 8200, 12K, 18K, 22K, 27K, 33K, 39K, 68K, 82K, 100K, 120K, 150K, 330K, 390K, 470K, 680K, 820K ohms; 1, 1.5, 1.8, 2.2, 3.3, 5.6, 6.8, 8.2, 10 megs. 24 B 9660. Pkg. of 100. 5 oz. 2.98

1/2 Watt. Two each: 10, 12, 15, 18, 22, 27, 33, 39, 47, 56, 68, 82, 100, 120, 150, 180, 220, 270, 330, 390, 470, 560, 680, 820, 1000, 1200, 1500, 1800, 2200, 2700, 3300, 3900, 4700, 5600, 6800, 8200, 10K, 12K, 15K, 18K, 22K, 27K, 33K, 39K, 47K, 56K, 68K, 82K, 100K, 120K, 150K, 180K, 220K, 270K, 330K, 390K, 470K, 560K, 680K, 820K; 2 each 1-15 megs. 24 B 9377. Pkg. of 150. 10 oz. 3.95

1 Watt. Two each: 15, 22, 33, 180, 390, 470, 820, 1500, 2700, 3900, 6800, 10K, 27K, 39K, 56K, 82K, 120K, 180K, 220K, 560K, 680K ohms; 1, 1.5, 2.7, 3.3 megs. $\pm 10\%$ tol. 24 B 9549. Pkg. of 50. 3 oz. 1.98

1/2, 1, 2 Watt. 40 1/2-watt, 30 1-watt, 30 2-watt. 24 B 9329. ($\pm 5\%$ and $\pm 10\%$ tol.) Pkg. of 100. 5 oz. 1.98

1/2 Watt. 100 popular values. $\pm 10\%$. Color coded. 5 oz. 24 B 9699 R. Pkg. of 100. 1.98

1/2 Watt. 50 most-wanted values. $\pm 5\%$ and $\pm 10\%$. 4 oz. 24 B 9488. Pkg. of 50. 1.29

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48 for 98¢

Well-Known Manufacturers

Here's a great opportunity to stock up on quality disc ceramics. Big 48-piece assortment includes popular values from 2 μ F to 1000 μ F at 50 to 5000 volts DC. All are quality-made products of well-known American manufacturers. All have parallel wire leads. Buy several packages for even bigger savings. Shpg. wt., 8 oz.

24 B 9958. Pkg. of 48. 98¢

Capacitor Bargains

Standard Brands, Popular Values

A Single-Section Electrolytics. Aluminum cans. 3" axial leads. 4 oz.

Stock No.	μ F	WVDC	EA.
24 B 9988	150	150	.75
24 B 9989	200	200	.98
24 B 9990	20	450	.49
24 B 9991	40	450	.59
24 B 9992	80	450	.89

B Multisection Capacitors. Wax filled. Tinned No. 22 leads. Mtg. strap. Shpg. wt., 4 oz.

Stock No.	μ F	WVDC	Size	EA.
24 B 9993	50-30	150	2 1/2"x1"	.45
24 B 9994	50-30-20	150	2 1/2"x 1/2"	.69
24 B 9995	80-40	150	2 1/2"x1"	.79

Don't Miss These Transistor Values



2N176



NPN/PNP



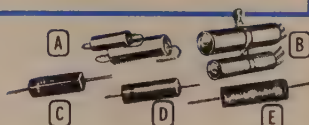
40-Watt PNP

Audio Power Transistors. Popular 2N176 type for audio power amplifiers. Rated 3 amps at 30 VDC. Beta, 25 V; I_{CBO} , 3 mA; Gain; 33.5 dB. For 6, 12, and 28-volt circuits. Special low price makes this a fine value. 4 oz. 24 B 9633. Pkg. of 2. 79¢

IF-RF PNP Transistors. Another top value for experiments and hobbyists. At this low, low price they're an unbeatable bargain. Four IF-RF PNP transistors for replacement and design application. Axial leads. F_{AB} , 10 MHz; BVC_{BO} , 25 volts; I_C peak, 400 mA. 4 oz. 24 B 9642. Pkg. of 4. 88¢

NPN Transistors. Check this bargain. Four NPN transistors for less than 25¢ each. Top-value equivalents of 2N168, 2N169, and 2N170. BVC_{BO} , 15 V; BVC_{ER} , 10 V; I_C peak, 400 mA. Get a good supply now. Wt., 4 oz. 24 B 9643. Pkg. of 4. 88¢

40-Watt PNP Transistor. An Allied bargain on a 40-watt PNP replacement transistor. It's a germanium-alloy junction type. Rated 15 amps at 30 volts. Replaces Deleco Type 501, Bendix 2N278 and 2N173, etc. Wt., 3 oz. 24 B 9634. 87¢



C Plastic Molded and Ceramic Capacitors. Less than 4¢ each! Selection of popular values for every need, in voltages from 50 to 600 volts. 10 oz. 24 B 9962. Pkg. of 25. 98¢

D Tubular Capacitors. Wax impregnated. US-made standard brands. 100 to 1000 WVDC. Axial leads. 12 oz. 24 B 9584. Pkg. of 40. 98¢

E Ceramic Tubulars. Values from 1 μ F to 3000 μ F. Most are NPO and N750 temperature coef. types. 3 oz. 24 B 9357. Pkg. of 100. 98¢

Epoxy Silicon Rectifiers



Low as **2 for 59¢**

Top-quality, ideal for application in all types of hi-fi, radio, and TV power supplies. All have 750-mA output. 1 1/2" axial leads, epoxy construction. Pkg. of 2. Shpg. wt., 3 oz.

24 B 9692. PIV 200. 2 for 59¢

24 B 9699. PIV 400. 2 for 77¢

24 B 9693. PIV 600. 2 for 99¢

24 B 9572. PIV 800. 2 for 98¢

24 B 9573. PIV 1000. 2 for 1.39

Famous-Brand Zener Diodes



2 for 88¢

Each has a 1 to 2-watt power rating. Axial leads. $\pm 10\%$. Pkg. of 2. Wt. 2 oz.

24 B 9358. 3.9 V. 2 for 88¢

24 B 9359. 6.8 V. 2 for 88¢

24 B 9361. 12 V. 2 for 88¢

24 B 9362. 18 V. 2 for 88¢

24 B 9363. 33 V. 2 for 88¢

24 B 9340. Assortment of 12. 250-mm to stud-mount. 1 W. 2.7 to 33 V. 4 oz. 1.98

Power-Resistor Assortments



25 for 98¢

F Low, low price for 25 assorted power resistors in popular values. Made by famous American manufacturers. Wide variety of ohm values, ratings from 2 to 12 watts. Very useful assortment. Shpg. wt., 8 oz. 24 B 9548. Pkg. of 25. 98¢

G Rock bottom price for 25 assorted Square Ohm power resistors in popular values. Power ratings from 3 to 10 watts. A real bargain for hobbyists and experimenters—and service men, too. Less than 4¢ each! Shpg. wt., 6 oz. 24 B 9960. Pkg. of 25. 98¢

Giant Value in a Handy Heat-Sink Assortment

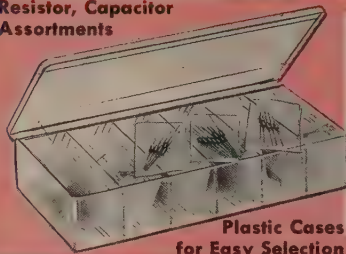
Contains eight 10-fin heat sinks for JEDEC TO-5 transistor cases and four to fit JEDEC TO-18. Don't pass up this value. 4 oz. 24 B 9367. Pkg. of 12. 1.98

Save Transistors from Heat Damage **12 for \$1.98**



ADD-ON TO YOUR ALLIED CREDIT FUND NOW

Resistor, Capacitor Assortments

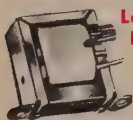


Plastic Cases for Easy Selection

Resistors
Low As
\$5⁹⁸

Capacitors
Only
\$5⁹⁸

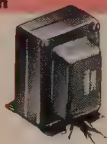
150 ½-Watt Resistors. Eight 1000, 47K, 100K, 270K, 470K, 1.0 meg; seven 4700, 10K, 220K, 2.2 meg; five 3300, 22K, 27K, 33K, 330K, 4.7 meg; four 100, 470, 1500, 2200, 2700, 56K, 68K, 3.3 meg; three 47, 220, 270, 10 meg.
24 B 9190. Shpg. wt., 4¼ lbs. With plastic case..... 5.98
125 1-Watt Resistors. Seven 1000, 10K, 27K, 47K, 100K, 270K, 470K, 1.0 meg; five 2200, 4700, 22K; four 33K, 39K, 68K; three 47, 100, 150, 220, 270, 470, 1500, 2700, 3300, 15K, 150K, 220K, 2.2 meg. 4.7 meg. Wt., 4¼ lbs.
24 B 9192. In clear plastic sectional case..... 6.98
72 Ceramic or Molded Case Capacitors. Fifteen .01; twelve .01 eight .005, .02, .1; five .001, .002, .047; two .0047, .03, .25µF.
24 B 9196. 2 lbs. Clear plastic sectional case..... 5.98



Low Voltage Miniature Rectifier Transformer

\$3⁷⁸

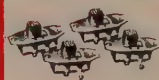
For silicon diode and transistor DC V with full-wave or bridge rect. 1500 V test. Tapped prim., 115 V. Tapped sec., 10-20-40 V @ .035 A. 1¼x2¼x1¾". More transformers pgs. 304-309
54 B 4731. Shpg. wt., ½ lb..... 3.78



Transistor Power Transformer

\$2⁹⁸

Hundreds of replacement applications. Primary is for 115 volt, 60 Hz AC. Two secondaries: 6.3 volts at 1 amp; 65 volts center-tapped at 400 mA. Size, 3x2 ¼x2 ½". 4 lbs.
24 B 9966..... 2.98



Assorted Slide Switches

12 for 98¢

You get SPST, SPDT, DPST, DPDT slide switches—under 9¢ each. ½ to 3 amps, 125 v. U.L. listed. Shpg. wt., 9 oz. For more switches, see pgs. 312-316.
24 B 9865..... Pkg. of 12 for 98¢



Volume Controls Assortment

10 for 98¢

You get: 500-ohms, 2500 ohm, 100K, 500K, 1 meg, plus 5 other values. Shpg. wt., 8 oz. For more controls, see pages 292-294.
24 B 9314..... Pkg. of 10 for 98¢



Assorted Terminal Strips

100 for 98¢

Assorted bakelite strips with 1 to 6 terminals each. ¾" wide. Handy for every hobbyist or electronics shop. Wt., 12 oz.
24 B 9582..... Pkg. of 100 for 98¢



Rocker Switches

4 for \$1²⁹

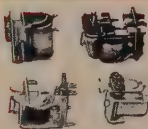
Rocker switches for use where modern appearance and dependability are important. DPDT contacts rated 6A at 125 volts.
24 B 9198..... Pkg. of 4 for 1.29



Hookup Wire 25-ft. Coils

10 for 98¢

Convenient 25-ft. coils of stranded copper hookup wire. Assorted gauges, insulations, colors; both tinned and untinned types. Shpg. wt., 1¼ lbs. For more wire, see pgs. 348-353.
24 B 9935..... Pkg. of 10 for 98¢



Relay Assortment

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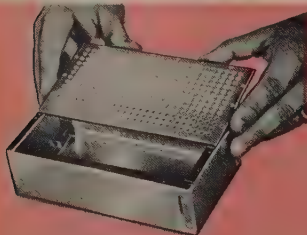
A selection of four relays with popular coil voltages and contact ratings to give you a wide range of applications. Wt., 8 oz. For more Relays, see pages 323-327.
24 B 9199..... Pkg. of 4 for 1.69



Dial Light Assemblies

29¢

Miniature lamps with ¼" faceted lens. Mount in ¼" holes. 2 oz. For more lights, see pages 318-322.
24 B 9202. Screw Base..... 29
24 B 9203. Candelabra Base..... 29
24 B 9206. Bayonet Base..... 29

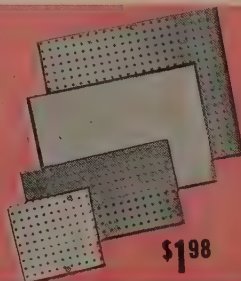


\$3⁷⁵

Easy to Assemble

Chassis Kit with Bread Board

New aluminum frame has snap-locks that push together to form a rugged chassis that can be expanded, stacked, or coupled. Phenolic mounting board, 1 panel and 4 rails make a temporary or permanent unit. 24x47". With 50 solderless terminals. 10 oz.
24 B 9210..... 3.75



\$1⁹⁸

Printed-Circuit Boards

Assortment of 3 perforated, 1 solid circuit boards. Sizes from 3x3" to 5x6". Heavy copper coating on ¼" phenolic. Shpg. wt., 6 oz.
24 B 9200. 4 Circuit Boards..... 1.98
47 B 1102. Resist Pen. 2 oz..... 75¢
47 B 1159. 1 Pint Etching Solution. 16 oz..... 85¢

Specials From Our Bargain Counter

Miniature 1-Watt 4-Transistor Push-Pull Audio Amplifier



\$5.95 With Two Audio Stages and Push-Pull Output Stage

Four transistor audio amplifier with two stages of audio followed by a push-pull output stage. Usable power output, 1 watt maximum, 450 mW undistorted. $3\frac{1}{2} \times 1\frac{1}{4} \times 1\frac{1}{4}$ ". Uses 9-volt battery. Needs only a 50K volume control with switch and 8-ohm speaker. With instructions; less volume control, speaker and battery. Japan. 24 B 9207. Wt., 12 oz. 5.95
24 B 9209. As above, but with 3-watt power output. 1 lb. 6.95

Parts Storage Cabinets



9
Drawers
\$1.98

Rigid
Steel
Frame

30
Drawers
\$5.49



9-Drawer Parts Cabinet

"Handy-Bin" plastic-frame cabinet for convenient, economical storage of small parts and supplies. See-through, spillproof styrene plastic drawers with dividers and labels. Drawer size: $1\frac{1}{4} \times 2\frac{3}{4} \times 5\frac{3}{4}$ ". Cabinet: $5 \times 9\frac{3}{4} \times 6\frac{1}{4}$ ". 24 B 9189. Wt., 2 lbs. 1.98

30-Drawer Parts Cabinet

101 uses—ample room for all small parts. 30-drawer cabinet has rigid, welded steel frame with enamel finish. "See-Thru" non-spill plastic drawers, $1\frac{1}{4} \times 2\frac{3}{4} \times 5\frac{3}{4}$ " deep, each with plastic divider, labels. Handle. $9\frac{3}{4} \times 17 \times 6\frac{1}{4}$ ". 9 lbs. 24 B 9028 X. 5.49



4 Outlets, **\$4.95** 6 Outlets, 1 Switch
Fused

Fused Outlet Boxes

10-ft. cord, 2-wire plug. 15 amperes. Handy for appliances, power tools. 24 B 9343. 4 outlets, 4 switches. $13 \times 2\frac{1}{4} \times 1\frac{1}{4}$ ". $2\frac{1}{4}$ lbs. 4.95
24 B 9342. 6 outlets, 1 switch, pilot light. 4.95



Tube
Continuity
Checker
\$1.79

Checks radio-TV tubes—novars, octals, 7, 9, 10-pins. Also checks coils, fuses, appliances. With leads, inst. 115 VAC. For more test equipment, see pages 240-264. 24 B 9305. 1 lb. 1.79

Stereo/Mono Pickup Arms with Cartridge

Mono
\$1.64



Has turnover cartridge with two synthetic sapphire needles. For manual phonos. Japan. More phono accessories, pgs. 362-366. Wt., 8 oz. 24 B 9580. Stereo. 1.94
24 B 9579. Monaural. 1.64

Phone Plug Values

Nickel-plated brass plugs with screw terms. $2\frac{1}{2}$ " long, $\frac{1}{4}$ " dia. 12 oz. 24B9225. Blk. Pkg. 4/98¢
24B9226. Red Pkg. 4/98¢



4 for 98¢

Phono Plug Value

Shielded handle easily removes for access when soldering. $1\frac{1}{2}$ " handle. Wt. 5 oz. 24 B 9512... Pkg. 4/98¢



4 for 98¢

Alligator Clips/Adapters



4 for 39¢

Adapt banana plug to clip, or accept wires. Screw terminals for easy connection. $\frac{3}{8}$ " steel. Cadmium-plated. Shpg. wt., 3 oz. 24 B 9266. Red. Pkg. of 4/39¢
24 B 9267. Black. Pkg. of 4/39¢

Shielded Phone Plugs

Std. $\frac{1}{4}$ " plug, $1\frac{1}{2}$ " long $\frac{1}{2}$ " dia. shielded barrel. Cable clamp. 6 oz. More plugs, jacks on 388-345. 24 B 9376... Pkg. 2/98¢



2 for 98¢

2-Cond. Phone Jacks

Great buy! Open circuit 2-conductor jacks accept standard $\frac{1}{4}$ " plugs. Shpg. wt., 6 oz. 24 B 9227... Pkg. 5/98¢



5 for 98¢

Top-Quality Audio Cables



Low As

2 for 67¢

Shielded cables have pin plugs on both ends for easy connection of components. 8 oz. Japan. For more cables, see page 363. 24 B 9608. 18" Cable. Pkg. 2/67¢
24 B 9609. 36" Cable. Pkg. 2/84¢
24 B 9870. 72" Cable. Pkg. 2/98¢

Cable-Plug Adapter Kit



6-Pc.
Set
\$1.98

72" shielded cable, 2 phono plugs; 9" cable, phono plug, 2 alligator clips; phono jack to phono jack coupler; phone jack-phone plug adapter; dual phono jack coupler; case, Japan. 8 oz. 24 B 9877. 1.98

Solderless Phono Plugs

Strip wire, insert in shell, tighten screws. Right-angle. For $\frac{3}{8}$ " dia. shld. cable. 2 oz. 24 B 9260... Pkg. 3/69¢



3 for 69¢

Earphone and Plug

Fits most portable radios. With 36" cord. 50-5000 cps. 0.12" dia. plug. From Japan. 5 oz. 24 B 9393. 59¢



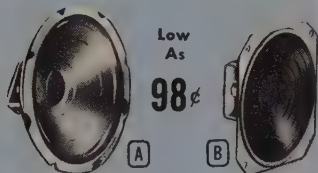
59¢

ORDER THESE GREAT VALUES TODAY

ALLIED 259

Big Values in Assorted Speakers and Mikes

Replacement Speakers



Low
As

98¢

A 5" Round Speaker. Precision centered. .50-oz. Alnico V magnet. Standard EIA dimensions. Capacity, 3 watts; impedance, 3.2 ohms. Shpg. wt. 8 oz. Great buy!

B 4" Square Speaker. Features precision centered. .50-oz. Alnico V magnet. Standard EIA dimensions. Capacity, 3 watts; impedance, 3.2 ohms. Shpg. wt. 12 oz.

24 B 9932.....98¢

Extended-Range Speakers



Your
Choice

\$249

C 8" Round Speaker. Upgrade your radio or TV set. Features whizzer cone. 1.47-oz. Alnico V magnet. Cap., 8 watts. Imp., 8 ohms. Shpg. wt., 1½ lbs.

24 B 9530.....2.49

D 6x9" Oval Speaker. Efficient 1.47-oz. Alnico V magnet. Whizzer cone extends high frequency response. Cap., 8 watts. Imp., 8 ohms. Shpg. wt., 1½ lbs.

24 B 9529.....2.49

Dual-Cone Speakers

Whizzer Cone
Extends Response
Slim-Line for
Modern Enclosures

Low As

\$595

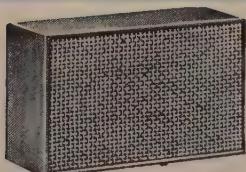


Have 1½" voice coils. Plates and ceramic magnets bonded by epoxy cement. Internal dust cap.

24 B 9632. 8" Speaker. 40-16,000 Hz. 20 W. 8 ohms. 4" deep. 13-oz. magnet. Wt., 3 lbs.....5.95

24 B 9631 X. 12" Speaker. 35-15,000 Hz. 25 W. 8 ohms. 5½" deep. 13 oz. magnet. 3½ lbs. 6.95

24 B 9630 X. 15" Speaker. 30-14,000 Hz. 30 W. 8 ohms. 6½" deep. 20-oz. magnet. 9 lbs. 9.95



Shelf-Speaker System

\$788

Ideal as
Extension Speaker

Remarkable value. Compact enclosure with plastic wood-grain oiled walnut finish. For extension speaker, low-cost music systems. 6x4" speaker with 1-oz. magnet. Cap., 5 watts. 8 ohms. 6x9x4½". With 20' cable. Wt., 3 lbs.

24 B 9012.....7.88



Versatile Speakers for Every Use

E 8" Outdoor Speaker. Covers 40-15,000 Hz. Weatherproof baffle, lacquer finish. 10½x10½x5½". 20 watts. 8 ohms. Shpg. wt., 6¼ lbs.

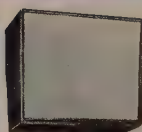
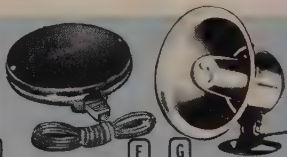
24 B 9732 X.....9.95

F Pillow Speaker. For private listening. Ceramic element, plastic diaphragm. 8 ohms. 5" cable.

24 B 9525. Size, 2¼x¾". Wt., 8 oz.....1.79

G 5" Paging Speaker. Weatherproof. 400-700 Hz. 5½" long. 5 watts. 8 ohms. 180° swivel mtg. Wire.

24 B 9843. Japan. Wt., 2 lbs.....7.95



Wall Baffles

Low As

\$249

Speaker-Baffles. Use for extension speakers anywhere. 35-11,000 Hz. 10 W. 8 ohms. 5½ lbs.

24 B 9354 X. 12".....8.95

24 B 9355 X. 8".....6.65

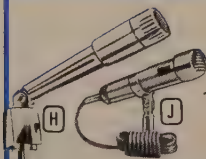
Wall-Mounting Baffles. Washable cover. Less spkr.

24 B 9253 X. For 12" Speakers. Wt., 5 lbs.....5.69

24 B 9254 X. For 8" Speakers. Wt., 4 lbs.....3.49

24 B 9255. For 4" to 5" Speakers. Wt., 1½ lbs. 2.49

Economical Microphones for Every Application



H Dynamic Mike. Features 175° pick-up pattern. 50-14,000 Hz. 600 ohms or Hi-Z. Less stand. Japan.

24 B 9348. Shpg. wt., 3 lbs.....9.95

J Slim Crystal Mike. Hi-Z. On-off switch. 100-9000 Hz. 6' cable.

24 B 9587. Wt., 8 oz. Japan ..2.95

K Dynamic Mike with Stand. 70-9000 Hz. 4' shielded cable. Weighted stand. Hi-Z. Japan.

24 B 9588. Shpg. wt., 2 lbs.....7.95



L Ball-type Dynamic Mike. Hi-Z. 100-12,000 Hz. 20' cable. Swivel holder. On-off switch, wire mesh grill.

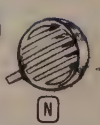
24 B 9023. Japan. Wt., 1lb.....8.95

M Crystal Mini-Mike. 2¼" long, 1" dia. 100-10,000 Hz. Hi-Z. With 5' shielded cable. Japan.

24 B 9589. Shpg. wt., 12 oz....2.49

N Crystal Lapel Mike. Clips to pocket. 60-5000 Hz. Hi-Z. Japan.

24 B 9881. Shpg. wt., 6 oz.....98¢

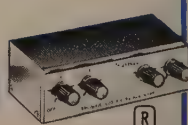


P Guitar Contact Mike. Hi-Z. 8' shielded cable. For amplifying string instruments. Includes handy volume control. Japan.

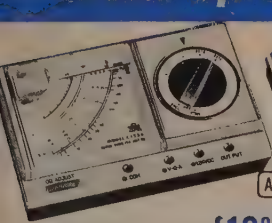
24 B 9002. Wt., 8 oz.....1.88

R Transistor Mike Mixer. Mixes 4 signals into single output. Std. 2-cond. phone inputs, phono jack output. 6 dB gain. 2½x6x3½". With battery. Japan.

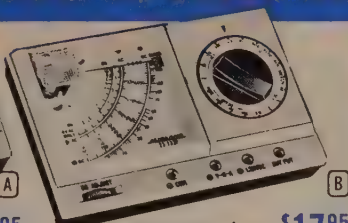
24 B 9352. Wt., 4 lbs.....6.95



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30,000 Ohms/Volt **\$17⁹⁵**

A 20,000 Ohms/Volt VOM. Has 2-color scale, overload protection. Reads: AC volts: 0-6-30-300-1200. DC volts: 0-3-15-150-300-1200. Ohms: 0-60K-6 megs. Current: 0-60 μ A, 300 mA. -20 to +17 dB. $4\frac{1}{2} \times 3\frac{1}{2} \times 1\frac{1}{2}$ ". With case, leads, battery. Japan. 24 B 9591. Shpg. wt., $1\frac{1}{2}$ lbs. **10.95**

B 30,000 Ohms/Volt VOM. Jeweled meter movement; easy-to-read scale. DC volts: 0-6-3-15-60-300-1200. AC volts: 6-30-120-300-1200. Current: 0-3 mA, 3-30-300 mA. Ohms: 0-6K-60K-600K-6 megs. -20 to +63 db. $6\frac{1}{2} \times 3\frac{1}{2} \times 1\frac{1}{2}$ ". With case, leads, battery. Japan. 24 B 9592. Shpg. wt., 3 lbs. **17.95**

C 1000 Ohms/Volt VOM. Pocket size. Reads AC and DC volts: 0-10-50-250-1000. DC current: 0-100 mA. Ohms: 0-150K. $3\frac{1}{2} \times 2\frac{1}{2} \times 1"$. With case, leads, battery. Japan. 24 B 9590. Shpg. wt., 10 oz. **4.95**



1000 Ohms/Volt **\$4⁹⁵**



Sensitive, Accurate VOM's



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\$8⁹⁵

D Super-Sensitive VOM. D'Arsonval movement. 30K ohms/VDC; 15K ohms/VAC. Reads AC and DC volts to 1200; DC current to 300 mA; ohms to 16 megs. -20 to +63 dB. $5\frac{1}{2} \times 3\frac{1}{2} \times 1\frac{1}{2}$ ". With case, test leads, battery. Japan. Wt., 3 lbs. 24 B 9372. Shpg. wt., 3 lbs. **14.95**

E Pocket Size VOM. Sensitive. DCV to 2500, ACV to 1000; DC mA to 250; ohms to 6 megs; -20 to +22 dB. Case, leads, batt. $4\frac{1}{2} \times 3\frac{1}{2} \times 1"$. 24 B 9318. Japan. Wt., 2 lbs. **8.95**



Soldering Gun
\$17⁹⁵
Compact, lightweight. Has 3' long-life copper tip. Balanced handle. U.L. Listed 3' cord. 10" long. 115 VAC. Shpg. wt., 2 lbs. 24 B 9847 Japan. **1.79**



Degaussing Coil
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Demagnetizes picture tube and chassis to correct color impurities. 7" dia. coil. With cord for 115 VAC. 12 oz. 24 B 9386. **2.69**



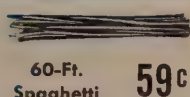
Zero-Adjust VU-Meter
\$3⁹⁵
Frequency, 80-7500 Hz. Imp., 900 ohms, for use across 500/600 ohms line. Top scale, -20 to 0; bottom, 0-100%. Japan. 24 B 9332. Wt., 8 oz. **3.95**



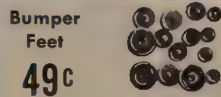
Illuminated "S" Meter
\$3⁹⁵
Measure signal strength. 3 scales: 0-9 (plus 1-30 dB over 9); 0-10; 0-5. For 3 to 6.3 volts. Moving coil, 1 mA movement. Two bulbs. $2\frac{1}{2} \times 2\frac{1}{2} \times 1\frac{1}{2}$ ". Japan. 24 B 9333. Wt., 8 oz. **3.95**



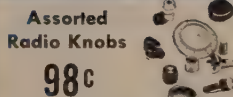
Tinnerman Nuts
79^c
Generous assortment of most-often needed sizes for just about every use. Do the job fast, hold tight. Shpg. wt., $1\frac{1}{4}$ lbs. 24 B 9965. 1-lb. Box. **79^c**



60-Ft. Spaghetti
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Spaghetti (insulated sleeving) assortment includes twenty 3-ft. lengths. Various diameters and colors, finishes. 8 oz. 24 B 9018. **59^c**



Bumper Feet
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Four matched sets of 4 bumper feet each. Place on cabinets and cases to prevent marring. Mount with screw or tack. Wt., 8 oz. 24 B 9019. Pkg. of 16 49^c



Assorted Radio Knobs
98^c
Plastic molded knobs, assorted colors. Fluted or grooved. Wt., $1\frac{1}{2}$ lbs. 24 B 9287. Pkg. of 50. **98^c**
24 B 9282. TV Knobs. For most makes. Pkg. of 50 1.98

Accessory Plug and Jacks
Plug, 4-prong, ivory color. Fits most phones. Screw terminals, mtg. screws. Japan. Wt., 4 oz. 24 B 9365. **59^c**
Jack. Fits plug above. Wall-mounting, ivory color. With hardware. Japan. Wt., 4 oz. 24 B 9366. **59^c**
Wall Plate Jack. For above. Fits std. wall box. Wt., 4 oz. 24 B 9389. Japan. **1.79**

Plug
59^c
Jack
59^c
Plate
\$17⁹⁵
30' Phone Cable
\$24⁹⁵
30' phone extension cable lets you place phone anywhere. Ideal for home or office. Has telephone jack on one end, plug on other. With instructions. From Japan. $1\frac{1}{2}$ lbs. 24 B 9368. Ea. **2.49**



5 Lbs. Assorted Hardware
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Assorted nuts, bolts, screws, eyelets, rivets, clamps, springs, grommets, washers, wood and sheet metal screws. Shpg. wt., $5\frac{1}{4}$ lbs. 24 B 9724. **5 lbs. for 98^c**

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A Shirt-Pocket Radio

New, 8-transistor shirt-pocket radio. Black, shock-resistant case accented with walnut. Has 9-volt battery, vinyl carrying case, earphone w/ pouch. 2 3/4" speaker. 4 1/4 x 2 5/8 x 1 3/8". From Taiwan. Shpg. wt., 12 oz.
10 B 4110 S. Each 4.88
Extra 9-volt Batteries.
18 B 5980 4 oz. . . . 2 for 59¢

B 4-Tr. Walkie-Talkie

Fascinating 2-way communications. Features 4-transistor solid-state circuit with Citizens Band Channel 14 crystal. Includes 9-volt battery. Rugged black plastic case has handy carrying strap. Size, 5 1/4 x 2 5/8 x 1 3/8". Shpg. wt., 12 oz. Japan.
17 B 9717 S. Each 6.95
Save \$2.00. . . . Per Pair 11.90



Lamp Kit for Desk and Bench

\$9.90

Spring-Swivel Joints

Great for close work. All-angle lamp has pre-fabricated arm assembly. Quick assembly—need only screwdriver and pliers. Has spring-loaded swivel joints, screw clamp mount. Gray finish. Less bulb. 110-120 V, 60 Hz AC. 5 lbs.
24 B 9335 X. 9.90



\$18.95

Top Buy

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Same as lamp above except fluorescent with 5" magnifying lens. Ideal for any type of "close" work. Spring loaded swivel joints, screw-clamp mount. Less tube. Shpg. wt., 7 lbs.
24 B 9338. 18.95
Tube. For above, 8 oz.
24 B 9930. 2.99

9-Volt Batteries by Knight

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Made by a famous American manufacturer, yet sell at imported-battery prices. Replace Burgess 2U6, RCA VS323, Eveready 216, many more. 1 7/8 x 3 3/4 x 1". Wt., 4 oz. 18 B 5980. Pkg. of 2 for 59¢



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Shuts off hi-fi system after last record has played. For any make record changer. Plug-in power cords from changer and amplifier. Wt., 2 lbs. 24 B 9234. 4.95



Telephone Amplifier \$14.95

Amplifies the sound from your receiver to room level. Measures 10x3x3". Includes 9-volt battery. From Japan. Shpg. wt., 1 1/2 lbs.
24 B 9231. 14.95

Allied's Own

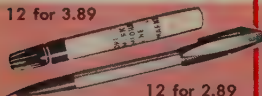
3 for \$3.29



Stereo Demo Records

Selected by our audio experts to test your stereo's performance. Have set-up and equipment test, stereo movement, frequency tests, music patterns, etc.
24 B 9010. 2 lbs. . . . 3/3.29

12 for 3.89



12 for 2.89

Nylon-Tip Markers. Write on anything. Permanent ink. Assorted colors. Wt., 12 oz.
24 B 9271. 12 for 3.89
24 B 9272. Black. . 12/3.89
Thin-Line Markers. Nylon tip. Water-soluble ink. Assorted colors. Wt., 9 oz.
24 B 9273. 12 for 2.89
24 B 9274. Black. . 12/2.89

Thor-Speedway Tube Fan

\$4.49



Value plus—extends tube life. Permits better shielding. 3200-rpm shaded-pole induction motor. 4-blade fan. 115 VAC. Shpg. wt., 1 1/4 lbs.
24 B 9457. 4.49

Low-Loss Twin-Line



100'
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UHF/VHF/FM 300-ohm twin lead. Low-loss cellular core. 7x28 copper-coated steel wire. Polyethylene jacket. Wt., 3 1/2 lbs. per 100'.
24 B 9245. 100' for 2.79

Miniature Cooling Fan

\$8.95



Permanently lubricated. Fan circulates air at 110 cfm. 2-pole motor, Ventrifront, back grilles; hdwe., cord. 115 VAC. 1 1/2 lbs.
24 B 9048. 8.95

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Accepts 4 or 5-wire rotor leads, two twin-line leads. With 3 and 4 prong plugs, mtg. hdwe., ivory color plate. From Japan. Wt., 4 oz.
24 B 9371. 89¢

2-Station Intercom System

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Solid-state intercom. Remote can signal Master when system is turned off. Master has vol. control, talk button. With battery, 66' cable. 5x4x2". From Japan.
24 B 9957. 3 lbs. . 9.95

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With Hardware

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TV, FM wall-outlet plate for 300-ohm lead-in. With plug, mounting hardware and instructions. Ivory color plastic. From Japan. Shpg. wt., 4 oz.
24 B 9967. 49¢

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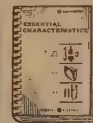


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FREE With Purchase of 5 Tubes. (May be assorted.) RCA Type 1A1348 receiving tube puller. Makes removing tubes from sockets quick and easy. Specify 24 B 9148 G.

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24 B 9149, Straightener Alone, 4 oz....1.00



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FREE With Purchase of 15 Tubes, G.E. Tube Manual. Receiving and picture tubes. 23 B 7259 EG, 1 1/4 lbs. 1.50

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*Indicates Tube Types for Color TV and Other Applications

Tube Type	EA. in Quantities of			Tube Type	EA. in Quantities of			Tube Type	EA. in Quantities of		
	1-9	10-49	50-Up		1-9	10-49	50-Up		1-9	10-49	50-Up
Z4	1.28	1.15	1.02	3BA6	1.18	1.06	.94	4GS8	Use 4BU8/4CS8		
Z4A	1.23	1.10	.98	3BC5	Use 3BC5/3CE5			4GZ5	1.18	1.06	.94
A3	3.08	2.77	2.46	3BC5/3CE5	1.23	1.10	.98	4HA5/PC900	1.48	1.33	1.18
A5GT	2.00	1.80	1.60	3BE6	1.35	1.21	1.08	4HA7	1.53	1.37	1.22
A7GT	2.70	2.43	2.16	3BN4A	1.53	1.37	1.22	4HC7	1.53	1.37	1.22
AD2*	1.43	1.28	1.14	3BN6*	1.90	1.71	1.52	4HM6	1.55	1.40	1.24
AY2	1.30	1.17	1.04	3BU8/3GS8	1.78	1.60	1.42	4HS8	1.68	1.51	1.34
33GT*	Use 1G3 GT/1B3GT			3BY6*	1.50	1.35	1.20	4HT6	1.28	1.15	1.02
3C2	1.45	1.31	1.16	3BZ6	1.08	.97	.86	4JC5	1.80	1.62	1.44
3H2	1.53	1.38	1.22	3CA3	Use 3A3A/3B2			4JD6	1.80	1.62	1.44
33GT/1B3GT*	1.38	1.24	1.10	3CB6	1.08	.97	.86	4KE8	1.88	1.69	1.50
3K3	Use 1K3/1J3			3CE5	Use 3BC5/3CE5			4JH6	1.24	1.12	.99
K3	Use 1K3/1J3			3CF6	1.28	1.15	1.02	4JL8	1.24	1.15	1.02
3K3/1J3	1.38	1.24	1.10	3CN3	1.60	1.44	1.28	5AM8*	2.03	1.82	1.62
6	3.20	2.88	2.56	3CS6*	1.45	1.31	1.16	5AN8*	2.23	2.00	1.78
N2A	2.20	1.98	1.76	3CY5	1.95	1.76	1.56	5AQ5*	1.20	1.08	.96
N5GT	2.45	2.21	1.96	3DG4*	2.15	1.94	1.72	5AR5/GZ34	1.73	1.55	1.38
R5	1.63	1.46	1.30	3DK6	1.15	1.04	.92	5AS4A	2.20	1.98	1.78
32A/DY87	1.28	1.15	1.02	3DT6A*	1.18	1.06	.94	5AS8	1.90	1.71	1.52
S4	2.05	1.85	1.64	3DZ4	Use 3AF4A/3DZ4			5AT8*	1.83	1.64	1.46
S5	1.53	1.37	1.22	3EA5	1.78	1.60	1.42	5AU4	2.03	1.83	1.62
T4	1.53	1.37	1.22	3EH7/XF183	1.78	1.60	1.42	5AV8	2.65	2.39	2.12
J4	1.53	1.37	1.22	3EJ7/XF184	1.78	1.60	1.42	5AZ4	2.75	2.48	2.20
J5	1.33	1.19	1.06	3ER5	1.65	1.49	1.32	5B8	1.58	1.42	1.26
1/2 *	1.10	.99	.88	3FH5	1.63	1.46	1.30	5BC3A	1.55	1.40	1.24
K2A	Use 1X2B/1X2A			3FS5	2.15	1.94	1.72	5BE8	1.55	1.40	1.24
K2B/1X2A*	1.45	1.31	1.16	3GK5	1.93	1.73	1.54	5BK7A	1.88	1.69	1.50
A3	4.95	4.46	3.96	3GS8	Use 3BU8/3GS8			5BQT4	2.00	1.80	1.60
4F4B/2DZ4*	1.90	1.71	1.52	3HA5	Use 3HM5/3HA5			5BR8	2.10	1.89	1.68
AH2	1.70	1.53	1.36	3HM5/3HA5	1.93	1.73	1.54	5BT8	1.55	1.40	1.24
A52	1.50	1.35	1.20	3HQ5*	1.93	1.73	1.54	5BW8	1.60	1.44	1.28
AV2*	1.18	1.06	.94	3JC6A	1.65	1.49	1.32	5CG8	1.68	1.51	1.34
3J2	2.10	1.89	1.68	3KT6	1.88	1.69	1.50	5CL8A	2.03	1.83	1.62
3N4A	1.38	1.24	1.10	3Q4	1.68	1.51	1.34	5CM8	1.78	1.60	1.42
3W4	2.30	2.07	1.84	3QS5GT	2.93	2.63	2.34	5CQ8	2.05	1.85	1.65
5Y5	1.65	1.49	1.32	3S4	1.70	1.53	1.36	5CZ5	2.23	2.00	1.78
DS4	2.30	2.07	1.84	3V4	1.30	1.17	1.04	5DJ4	1.78	1.60	1.42
DV4	3.23	2.90	2.58	4AU6	1.35	1.21	1.08	5DH8	2.75	2.47	2.20
DZ4	Use 2AF4B/2DZ4			4AV6	1.13	1.01	.90	5EA8	1.90	1.71	1.52
EG4	2.30	2.07	1.84	4BC8	1.93	1.73	1.54	5ES8/YCC189	2.75	2.47	2.20
EN5	1.60	1.44	1.28	4BL8/XCF80*	1.20	1.08	.96	5EU8	1.83	1.65	1.46
ER5	1.65	1.49	1.32	4BN6	2.03	1.86	1.62	5EW6	1.53	1.37	1.22
FH5	1.58	1.42	1.26	4BQ7A	2.08	1.87	1.66	5FG7	1.30	1.17	1.04
FQ5A	Use 2GK3			4BS8	2.13	1.91	1.70	5FV8	1.63	1.47	1.30
F55	2.43	2.18	1.94	4BU8/4GS8	1.85	1.67	1.48	5GH8A	2.05	1.85	1.64
3K5	1.93	1.73	1.54	4BZ6	1.05	.95	.84	5GJ7	1.48	1.33	1.18
4U5	2.25	2.03	1.80	4BZ7	1.93	1.73	1.54	5GM6	1.40	1.26	1.12
4A5	1.93	1.73	1.54	4CB6	1.10	.99	.88	5GX6	1.23	1.10	.98
4Q5*	1.93	1.73	1.54	4CS6	1.53	1.37	1.22	5GX7*	1.80	1.62	1.44
42*	2.75	2.48	2.20	4CY5	1.35	1.21	1.08	5HA7	1.53	1.37	1.22
43A/3B2*	1.60	1.44	1.28	4DE6	1.25	1.13	1.00	5HB7	1.38	1.24	1.10
4F4A/3DZ4	1.90	1.71	1.52	4DK6	1.28	1.15	1.02	5HG8/LCF86	1.85	1.67	1.48
4L5*	.98	.88	.78	4DT6A*	1.18	1.06	.94	5HZ6	1.38	1.24	1.10
4T2*	1.53	1.37	1.22	4EH7	1.78	1.60	1.42	5J6	1.63	1.46	1.30
4U6	1.10	.99	.88	4EJ7	1.78	1.60	1.42	5JK6*	1.93	1.73	1.54
4V6	1.10	.99	.88	4E8	2.03	1.82	1.62	5KD8	1.25	1.13	1.00
4W2	1.65	1.48	1.28	4EW6	1.45	1.31	1.16				
4W3	Use 3A3A/3B2			4GK5	1.95	1.76	1.56				
4B2	Use 3A3A/3B2			4GM6	1.10	.99	.88				

TUBES CONTINUED ON NEXT PAGE



Receiving Tubes (Cont'd)

AS NEW TYPES ARE RELEASED, ALLIED WILL STOCK THEM

To Get Free Service Aids With Your Tubes, See Page 263

When Ordering, Specify Dept. No. (25 B 28) AND Tube Type No. Example: 25 B 28 6BQ5/EL84.

*Indicates Tube Types for Color TV and Other Applications

Tube Type	EA. in Quantities of:			Tube Type	EA. in Quantities of:			Tube Type	EA. in Quantities of:		
	1-9	10-49	50-Up		1-9	10-49	50-Up		1-9	10-49	50-Up
5KE8	2.60	2.34	2.08	6BE3*	1.43	1.28	1.14	6DA4	1.53	1.37	1.22
5KZ8	1.23	1.10	.98	6BE6	1.20	1.08	.96	6DB5	2.50	2.25	2.00
5LJ8	2.05	1.85	1.64	6BF5	1.68	1.51	1.34	6DC6	1.78	1.60	1.42
5T8	2.23	2.01	1.78	6BF6	.98	.88	.78	6DC8/EBF89	1.53	1.37	1.22
5U4G*	1.05	.95	.84	6BF11	2.45	2.21	1.96	6DE4	1.60	1.44	1.28
5U4GB*	1.05	.95	.84	6BG6G*	3.05	2.75	2.44	6DE6	1.20	1.08	.96
5U8	1.55	1.40	1.24	6BH3	1.40	1.26	1.12	6DE7	1.83	1.64	1.46
5U9/LCF201	1.28	1.15	1.02	6BH6*	1.38	1.24	1.10	6DG6GT	1.93	1.74	1.54
5V3A*	1.75	1.58	1.40	6BH8*	2.10	1.89	1.68	6DK6	1.18	1.06	.94
5V4GA	1.78	1.60	1.42	6BH11*	1.95	1.76	1.56	6DL5/EL95	1.48	1.33	1.18
5V6GT*	1.70	1.53	1.36	6BJ3	1.40	1.26	1.12	6DM4A	1.68	1.51	1.34
5X8	1.88	1.69	1.50	6BJ6	1.38	1.24	1.10	6DN6	3.50	3.15	2.80
5Y3GT	.88	.79	.70	6BJ7*	1.48	1.33	1.18	6DN7	1.68	1.51	1.34
5Y4GA	1.23	1.10	.98	6BJ8*	1.80	1.62	1.44	6DQ5*	3.93	3.54	3.14
5Y4GT	1.70	1.53	1.36	6BK4B*	3.78	3.40	3.02	6DQ6B	Use 6GW6/6DQ6B		
5Z3	1.98	1.78	1.58	6BK5*	1.75	1.58	1.40	6DR7	2.15	1.93	1.72
5Z4	Use 5Y3GT			6BK7B*	1.78	1.60	1.42	6DS4*	2.30	2.07	1.84
6A7	4.00	3.60	3.20	6BL7GTA*	2.30	2.08	1.84	6DS5	1.83	1.65	1.46
6A8	3.55	3.20	2.84	6BL8/ECF80*	1.20	1.08	.96	6DT5	1.78	1.60	1.42
6AB4	1.23	1.10	.98	6BM8/ECL82*	1.45	1.31	1.16	6DT6A*	1.13	1.02	.90
6AC5GT	2.93	2.63	2.34	6BN4A	1.70	1.53	1.36	6DT8	1.88	1.69	1.50
6AC7	2.88	2.59	2.30	6BN6*	1.68	1.51	1.34	6DV4*	3.23	2.90	2.58
6AC10 *	1.85	1.67	1.48	6BN8*	1.68	1.51	1.34	6DWB*	1.75	1.58	1.40
6AD10	3.45	3.11	2.76	6BN11*	2.05	1.85	1.64	6DW5	1.93	1.73	1.54
6AF3	1.55	1.40	1.24	6BQ5	Use 6BQ5/EL84			6DX8/ECL84*	1.45	1.31	1.16
6AF4*	1.88	1.69	1.50	6BQ5/EL84*	1.13	1.01	.90	6E24*	1.88	1.69	1.50
6AF4A*	1.88	1.69	1.50	6BQ6GTB/6CU6*	2.05	1.85	1.64	6E5	2.83	2.54	2.26
6AF6G	3.15	2.84	2.52	6BQ7A*	1.88	1.69	1.50	6EA5	Use 6CY5		
6AF9	1.53	1.38	1.22	6BR8A*	2.00	1.80	1.60	6EA7	2.60	2.34	2.08
6AF11	2.38	2.14	1.90	6BS3A	1.65	1.49	1.32	6EA8*	1.50	1.35	1.20
6AG5	1.43	1.28	1.14	6BS3*	1.88	1.69	1.50	6EB8	2.20	1.98	1.76
6AG7*	3.25	2.93	2.60	6BU8*	1.73	1.53	1.35	6EF4	3.80	3.62	3.04
6AG9	2.58	2.32	2.06	6BV8*	1.50	1.35	1.20	6EH5	1.45	1.31	1.16
6AG11	2.08	1.87	1.66	6BW4	1.38	1.24	1.10	6EH7/EF183	1.93	1.73	1.54
6AH4GT*	1.63	1.46	1.30	6BW8	1.68	1.51	1.34	6EH8	1.50	1.35	1.20
6AH6*	2.20	1.98	1.76	6BX7GT	2.80	2.52	2.24	6EJ7/EF184*	1.78	1.60	1.42
6AK5/EF95	2.25	2.03	1.80	6BY5GA	2.40	2.16	1.92	6EM5	1.68	1.51	1.34
6AL3/EF88	1.30	1.17	1.04	6BY6*	1.50	1.35	1.20	6EM7*	2.45	2.21	1.96
6AL5*	.95	.86	.76	6BY8	1.35	1.21	1.08	6EQ7	1.48	1.33	1.18
6AL7GT	3.48	3.13	2.78	6BZ6	1.05	.95	.84	6ER5	1.78	1.60	1.42
6AL11*	2.08	1.87	1.66	6BZ7*	1.88	1.69	1.50	6E55	1.43	1.28	1.14
6AM4	2.78	2.50	2.22	6BZ8	2.10	1.89	1.68	6ES8/ECC189	2.73	2.45	2.18
6AM8A	1.63	1.46	1.30	6C4*	.98	.88	.78	6ET7	2.00	1.80	1.60
6AN4	3.08	2.77	2.46	6C5	2.68	2.41	2.14	6EU7	1.35	1.21	1.08
6AN8A*	1.99	1.78	1.58	6C6	3.93	3.54	3.14	6EU8	1.68	1.51	1.34
6AQ5A*	1.13	1.01	.90	6C9	2.75	2.48	2.20	6EV5	1.43	1.28	1.14
6AQ6	1.35	1.21	1.08	6C10	1.85	1.67	1.48	6EV7	1.38	1.24	1.10
6AQ7GT	2.05	1.85	1.64	6CA4	1.15	1.04	.92	6EW6*	1.18	1.06	.94
6AQ8/ECC85*	1.50	1.35	1.20	6CA5	1.50	1.35	1.20	6EW7	3.00	2.70	2.40
6AR5	1.23	1.10	.98	6CA7/EL34	2.68	2.41	2.14	6EX6	3.75	3.38	2.70
6AR8	2.43	2.18	1.94	6CB5A*	4.68	4.21	3.74	6EY6	1.80	1.62	1.30
6AR11	2.05	1.85	1.64	6CB6A/6CF6*	1.05	.95	.84	6EZ5*	2.03	1.82	1.47
6AS5	1.38	1.24	1.10	6CD6GA*	2.75	2.48	2.20	6EZ8	1.78	1.60	1.28
6AS8*	2.00	1.80	1.60	6CE5	Use 6BC5/6CE5			6F5	2.75	2.48	2.20
6AS11	2.55	2.30	2.04	6CF6	Use 6CB6A/6CF6			6F6	2.90	2.61	2.32
6AT6*	1.03	.92	.82	6CG3/6CD3	1.70	1.53	1.36	6F6G	2.90	2.61	2.32
6AT8A*	2.00	1.80	1.60	6CG7	Use 6FQ7/6CG7			6F6GT	2.90	2.61	2.32
6AU4GTA*	1.70	1.53	1.36	6CG8A	1.63	1.47	1.30	6F8G	4.23	3.81	3.38
6AU5GT	2.33	2.09	1.86	6CH8	2.80	2.52	2.24	6FA7	1.48	1.33	1.18
6AU8A*	.98	.88	.78	6CJ3	1.80	1.62	1.44	6FD7	2.65	2.39	2.12
6AU8A*	2.20	1.98	1.76	6CK3	1.30	1.17	1.04	6FE5	1.70	1.53	1.36
6AV5GA*	2.60	2.34	2.08	6CK4/6CL3	1.78	1.60	1.42	6FG5	2.68	2.41	2.14
6AV6*	.88	.79	.70	6CL3	1.75	1.57	1.40	6FG7*	1.85	1.67	1.48
6AW8A*	1.80	1.62	1.44	6CL6*	1.90	1.71	1.52	6FH5*	1.58	1.42	1.26
6AX3	1.30	1.17	1.04	6CL8A*	1.95	1.76	1.56	6FH8	2.03	1.82	1.62
6AX4GTB*	1.25	1.13	1.00	6CM6*	1.68	1.51	1.34	6FJ7	1.88	1.69	1.50
6AX5GT	1.63	1.46	1.30	6CM7	1.38	1.24	1.10	6FM7*	1.63	1.46	1.30
6AX8	1.75	1.58	1.40	6CM8	2.03	1.82	1.62	6FM8	1.43	1.28	1.14
6AY3B	1.45	1.31	1.16	6CN7*	2.10	1.89	1.68	6FQ5A	1.93	1.73	1.54
6AY11	2.05	1.85	1.64	6CQ4	1.78	1.60	1.42	6FQ7/6CG7*	1.18	1.06	.94
6AZ8*	2.75	2.48	2.20	6CQ8*	1.35	1.22	1.08	6FS5	2.05	1.85	1.64
6B8	3.43	3.08	2.74	6CR6	1.48	1.33	1.18	6FV6	2.10	1.89	1.68
6B10	1.68	1.51	1.34	6CS6*	1.23	1.10	.98	6FV8A	1.65	1.49	1.32
6BA3	1.53	1.37	1.22	6CS7	1.40	1.26	1.12	6FW5	1.93	1.73	1.54
6BA6/EF93*	1.05	.95	.84	6CU5	1.35	1.21	1.08	6FY5/EC97	1.38	1.24	1.10
6BA7	2.93	2.63	2.34	6CU6*	Use 6BQ6GTB/6CU6			6FY7	1.60	1.44	1.28
6BA8A*	2.10	1.89	1.68	6CU8	2.20	1.98	1.76	6G11	2.20	1.98	1.76
6BA11	2.05	1.85	1.64	6CW4*	2.30	2.07	1.84	6GB5/EL500	1.90	1.71	1.52
6BC4	2.75	2.48	2.20	6CW5/EL86*	1.26	1.13	.98	6GC5*	2.10	1.89	1.68
6BC5/6CE5	1.13	1.01	.90	6CX8	2.13	1.91	1.70	6GE5	1.93	1.73	1.54
6BC7*	1.80	1.62	1.44	6CY5	1.80	1.62	1.44	6GF5	1.75	1.58	1.40
6BC8*	1.88	1.69	1.50	6CY7	1.53	1.37	1.22	6GF7A*	2.43	2.18	1.94
6BD6	1.18	1.06	.94	6CZ5	2.05	1.85	1.64	6GH8A*	1.60	1.44	1.28
6BD11	2.53	2.27	2.02	6D10	1.93	1.73	1.54	6GJ5A	2.80	2.52	2.24

Receiving Tubes



QUANTITY PRICES ALSO APPLY TO ASSORTED TUBES
Get Free Service Aids With Your Tubes, See Page 263

When Ordering, Specify Department No. (25 B 28)
AND Tube Type No. Example: 25 B 28 6SN7GTB.

* Indicates Tube Types for Color TV and Other Applications

Tube Type	EA. in Quantities of:			Tube Type	EA. in Quantities of:			Tube Type	EA. in Quantities of:		
	1-9	10-49	50-Up		1-9	10-49	50-Up		1-9	10-49	50-Up
7/ECF801*	1.55	1.40	1.24	6KM8	1.73	1.55	1.38	8AW8A	2.00	1.80	1.60
5*	1.93	1.73	1.54	6KR8	2.13	1.91	1.70	8B10	1.68	1.51	1.34
6*	1.50	1.35	1.20	6KT6	1.50	1.35	1.20	8BA8A	1.73	1.54	1.38
7*	2.90	2.61	2.32	6KT8*	2.13	1.91	1.70	8BA11	2.00	1.80	1.60
15	1.53	1.37	1.22	6KU8	2.40	2.16	1.92	8BH8	1.68	1.51	1.34
16	1.38	1.24	1.10	6KV8	2.93	2.63	2.34	8BM11	1.95	1.76	1.56
18/ECC86	2.18	1.96	1.74	6KY8A	3.63	3.27	2.92	8BN8	1.85	1.67	1.48
18	2.15	1.94	1.72	6KZ8*	1.70	1.53	1.36	8BQ5	1.38	1.24	1.10
17*	1.88	1.69	1.50	6L6	4.40	3.96	3.52	8BQ11	2.15	1.94	1.72
5	2.70	2.43	2.16	6L6GC*	2.28	2.05	1.82	8BU11	2.05	1.85	1.64
15	2.05	1.85	1.64	6L7	3.48	3.13	2.78	8CG7	Use 8FQ7/ 8CG7		
17*	1.60	1.44	1.28	6LB8	2.35	2.12	1.88	8CM7	1.35	1.21	1.08
15	2.08	1.87	1.66	6CL6	3.40	3.06	2.72	8CN7	1.53	1.37	1.22
18	1.55	1.40	1.24	6CL8	2.10	1.89	1.68	8CS7	1.53	1.37	1.22
16/6DQ6B*	2.10	1.89	1.68	6LE8*	3.10	2.79	2.48	8CW5/XL86	1.28	1.15	1.02
18/ECL86	1.53	1.37	1.22	6LF8*	1.93	1.74	1.54	8CX8	2.20	1.98	1.76
16*	1.30	1.17	1.04	6LJ8	2.05	1.85	1.64	8E8	2.05	1.85	1.64
17*	1.80	1.62	1.44	6LM8*	2.08	1.87	1.66	8EM5	1.70	1.53	1.36
15*	2.30	2.07	1.84	6LN8/LCF80	1.20	1.08	.96	8ET7	2.08	1.87	1.66
16*	1.30	1.17	1.04	6LQ8	2.53	2.27	2.02	8FQ7/8CG7	1.18	1.06	.94
18	1.78	1.60	1.42	6LT8	1.28	1.15	1.02	8GJ7/PCF801	1.63	1.46	1.30
15	1.35	1.21	1.08	6LU8*	2.35	2.14	1.90	8GN8	2.00	1.87	1.66
15	2.15	1.94	1.72	6LX8/LCF802	1.30	1.17	1.04	8JVB	2.08	1.90	1.72
15	Use 6HM5/6HA5			6LY8	1.78	1.60	1.42	8KA8	2.13	1.92	1.70
15	2.10	1.89	1.68	6M11	2.28	2.05	1.82	8LC8	2.13	1.92	1.70
16*	2.23	2.00	1.78	6MD8	2.43	2.18	1.94	8LT8	1.35	1.21	1.08
17*	1.83	1.65	1.46	6ME8	2.10	1.89	1.68	9A8/PCF80	1.20	1.08	.96
15*	1.85	1.67	1.48	6N7	2.53	2.27	2.02	9AU7	1.33	1.19	1.06
15*	3.65	3.29	2.92	6N7GT	2.60	2.34	2.08	9BJ11	2.40	2.16	1.92
18	2.00	1.80	1.60	6Q7	2.95	2.66	2.36	9BR7	1.58	1.42	1.36
15	1.35	1.21	1.08	6SA4*	1.18	1.06	.94	9EA8	1.53	1.37	1.22
15/EFC86*	2.05	1.85	1.64	6SBGT	2.08	1.87	1.66	9GV8/XCL85	1.50	1.35	1.20
15	1.55	1.40	1.24	6SA7	2.43	2.19	1.94	9KC6	1.70	1.53	1.36
15	1.55	1.40	1.24	6SA7GT	2.20	1.98	1.76	9KZ8	1.48	1.33	1.18
15	1.95	1.76	1.56	6SB7Y	2.98	2.68	2.38	9U8A	1.55	1.40	1.24
18*	1.53	1.37	1.22	6SC7	2.30	2.07	1.84	10AL11	2.28	2.05	1.82
15/6HA5*	1.93	1.73	1.54	6SF5	1.85	1.67	1.48	10C8	2.58	2.32	2.06
16	1.48	1.33	1.18	6SF7	3.15	2.85	2.52	10CW5/LL86	1.28	1.15	1.02
15*	2.25	2.03	1.80	6SG7	2.35	2.12	1.88	10DE7	1.75	1.58	1.40
15	1.28	1.15	1.02	6SH7	2.68	2.41	2.14	10DR7	2.05	1.85	1.64
16	1.38	1.24	1.10	6SJ7	2.08	1.87	1.66	10DX8/LCL84	1.45	1.31	1.16
15	3.88	3.49	3.00	6SJ7GT	1.75	1.56	1.36	10EG7	2.10	1.96	1.74
16	1.38	1.24	1.10	6SK7	2.13	1.91	1.70	10EM7	2.45	2.21	1.96
18*	1.93	1.74	1.54	6SK7GT	2.75	2.48	2.20	10G7F7A	2.18	1.96	1.74
16*	1.38	1.24	1.10	6SL7GT	1.78	1.60	1.42	10GK6	1.53	1.38	1.22
18	2.75	2.48	2.20	6SNTGTB*	1.35	1.21	1.08	10GN8	2.00	1.80	1.60
15	2.05	1.85	1.64	6SQ7	2.00	1.80	1.60	10HF8	2.33	2.09	1.86
15	1.45	1.30	1.16	6SQ7GT	2.00	1.80	1.60	10JA8	1.88	1.69	1.50
18	2.60	2.34	2.08	6SR7	2.13	1.92	1.70	10JT8*	2.03	1.82	1.62
15	2.50	2.25	2.00	6T4*	2.58	2.32	2.06	10JY8	1.83	1.64	1.46
16A	2.40	2.16	1.92	6T8A*	1.68	1.51	1.34	10KR8	2.13	1.91	1.70
16*	2.93	2.63	2.34	6T9	1.85	1.67	1.48	10KU8	2.43	2.18	1.94
18	1.88	1.69	1.50	6T10	2.13	1.91	1.70	10LB8	2.35	2.11	1.88
18	1.53	1.37	1.22	6U5	3.70	3.33	2.96	10LE8	2.95	2.66	2.36
16	1.65	1.49	1.32	6U8A*	1.55	1.40	1.24	10LW8	2.13	1.91	1.70
16A*	4.25	3.82	3.40	6U9/ECF201	1.45	1.31	1.16	10LZ8	2.08	1.83	1.58
18	1.85	1.67	1.48	6U10*	1.83	1.64	1.46	11AR11	1.45	1.35	1.24
16	3.10	2.79	2.48	6V3A	2.28	2.05	1.82	11BQ11	2.05	1.85	1.64
16A	3.25	2.93	2.60	6V6	3.18	2.86	2.54	11CY7	1.80	1.62	1.44
16	1.23	1.10	.98	6V6GTA*	1.20	1.08	.96	11HM7	2.18	1.96	1.74
18*	2.15	1.93	1.72	6W4GT	1.15	1.04	.92	11J8	1.93	1.73	1.54
18	2.03	1.82	1.62	6W6GT*	1.48	1.33	1.18	11KV8	2.95	2.66	2.36
16A*	2.08	1.87	1.66	6X4	.90	.81	.72	11LQ8	2.95	2.66	2.36
16	1.93	1.73	1.54	6X5GT	1.20	1.08	.96	11Y9/LFL200	1.55	1.40	1.24
18	1.83	1.64	1.46	6X8*	1.58	1.42	1.26	12AB5	1.75	1.58	1.40
16A*	3.65	3.29	2.92	6X9/ECF200*	1.48	1.33	1.18	12AC6	1.05	.95	.84
16A	2.48	2.23	1.98	6Y6GA/6Y6G	2.03	1.82	1.62	12AD6	1.40	1.26	1.12
18*	2.00	1.80	1.60	6Y9*	1.55	1.40	1.24	12AE6A	1.38	1.24	1.10
18A*	1.75	1.58	1.40	6Z4	Use 84/6Z4			12AF3	1.93	1.73	1.54
18	2.20	1.98	1.76	6Z10	2.50	2.25	2.00	12AF6	1.58	1.42	1.26
16/ECF802	1.55	1.40	1.24	7A5	2.83	2.54	2.26	12AL5	1.15	1.04	.92
16	2.33	2.09	1.86	7A7	3.58	3.22	2.86	12AL8	3.08	2.77	2.46
18	1.78	1.60	1.42	7AU7*	1.23	1.10	.98	12AL11	2.10	1.89	1.68
15	1.35	1.22	1.08	7C5	1.68	1.51	1.34	12AQ5	1.35	1.22	1.08
15	2.50	2.25	2.00	7C7	1.70	1.53	1.36	12AT6	.88	.79	.70
15/6Q11	3.85	3.47	3.08	7EY6	1.68	1.51	1.34	12AT7/ECC81*	1.43	1.28	1.14
18*	1.83	1.64	1.46	7F7	3.75	3.38	3.00	12AU6	1.00	.90	.80
16*	2.13	1.91	1.70	7F8	4.13	3.72	3.30	12AU7A/ECC82*	1.18	1.06	.94
18	3.85	3.47	3.08	7HG8 PCF86	1.58	1.42	1.26	12AV5GA	2.53	2.28	2.02
18	1.40	1.26	1.12	7N7	3.55	3.20	2.84	12AV6	.90	.81	.72
18	2.83	2.55	2.26	7V7	2.33	2.09	1.86	12AV7*	1.80	1.62	1.44
18	1.48	1.33	1.18	7X7	3.83	3.45	3.06	12AW6	1.55	1.40	1.24
16	4.10	3.69	3.28	8AR11	1.88	1.69	1.50	12AX3*	1.50	1.35	1.20
				8AU8	1.93	1.73	1.54				

TUBES CONTINUED ON NEXT PAGE

Order, Specify Dept. No. (25 B 28) AND Tube Type No.



Receiving Tubes (Cont'd)

AS NEW TYPES ARE RELEASED, ALLIED WILL STOCK THEM
To Get Free Service Aids With Your Tubes, See Page 263

When Ordering, Specify Dept. No. (25 B 28)
AND Tube Type No. Example: 25 B 28 50L6GT.

*Indicates Tube Types for Color TV and Other Applications

Tube Type	EA. in Quantities of:			Tube Type	EA. in Quantities of:			Tube Type	EA. in Quantities of:		
	1-9	10-49	50-Up		1-9	10-49	50-Up		1-9	10-49	50-Up
12AX4GTB	1.35	1.22	1.08	12SN7GTA	1.40	1.26	1.12	21JV6	2.10	1.89	1.68
12AX7A/ECC83*	1.25	1.12	1.00	12SQ7	2.23	2.01	1.78	21JZ6	2.20	1.98	1.76
12AY3	1.33	1.19	1.06	12SQ7GT	2.23	2.01	1.78	21KA6	2.23	2.00	1.78
12AY7	2.43	2.18	1.94	12V6GT	2.23	2.01	1.78	21RB8	3.00	2.70	2.40
12AZ7A	1.48	1.33	1.18	12WG6T	2.23	2.01	1.78	22BH3A	1.55	1.40	1.24
12B4A	1.60	1.44	1.28	12X4	.98	.88	.78	22BW3	1.53	1.37	1.21
12B4G	.90	.81	.72	13C3WA	2.53	2.27	2.02	22DE4	1.70	1.53	1.36
12B7A	2.95	2.66	2.36	13DE7	1.75	1.58	1.40	22JF6	3.43	3.08	2.74
12BD6	1.18	1.07	.94	13DR7	.93	.73	.54	22JG6A	2.95	2.66	2.36
12BE3	1.53	1.37	1.22	13EM7	2.68	2.44	2.14	22JU6	2.88	2.59	2.30
12BE6	.98	.88	.78	13FD7	2.53	2.28	2.02	22KM6*	4.10	3.69	3.28
12BF6	1.05	.95	.84	13FM7	1.50	1.35	1.20	23Z9	2.35	2.12	1.88
12BF11	2.18	1.96	1.74	13GB5/XL500	1.65	1.48	1.32	24JE6A	4.25	3.83	3.40
12BHTA*	1.45	1.31	1.16	13GF7A	2.35	2.12	1.88	25AV5GA	2.83	2.55	2.26
12BK5	1.88	1.69	1.50	13J10	2.53	2.27	2.02	25AX4GT	1.53	1.37	1.22
12BL6	1.48	1.33	1.18	13V10	2.05	1.85	1.64	25BK5	1.70	1.53	1.36
12BN6	2.05	1.85	1.64	14BL11	2.55	2.30	2.04	25BQ6GTB/25CU6	2.20	1.98	1.76
12BQ6GTB/				14BR11	2.40	2.16	1.92	25C5	1.48	1.33	1.18
12CU6	2.10	1.89	1.68	14GT8	1.73	1.55	1.38	25CA5	1.80	1.62	1.44
12BR7	1.53	1.37	1.22	15AF11	2.38	2.14	1.90	25C6DGB	2.88	2.59	2.30
12BS3A	1.68	1.51	1.34	15BD11	2.43	2.18	1.94	25CU6	Use 25BQ6GTB/25CU6		
12BT3	1.43	1.28	1.14	15CW5/PL84*	1.23	1.09	.98	25DK4	1.10	.99	.88
12BV7	1.65	1.49	1.32	15DQ8	1.48	1.33	1.18	25DN6	2.98	2.68	2.38
12BW4	1.38	1.24	1.10	15FM7	1.70	1.53	1.36	25EC6	3.08	2.77	2.46
12BY7A*	1.60	1.44	1.28	15FY7	1.78	1.60	1.42	25EH5	1.63	1.47	1.30
12BZ6	1.20	1.08	.96	15LE8	3.83	3.45	3.06	25L6GT	1.48	1.33	1.18
12BZ7	2.08	1.87	1.66	15KY8A	2.38	2.14	1.90	25W4GT	1.85	1.67	1.48
12C5	Use 12CU5/12C5			16A8	1.48	1.33	1.18	25Z6GT	1.93	1.74	1.54
12CA5	1.43	1.28	1.14	16AQ3/XY88	1.35	1.21	1.08	31JS6A	3.65	3.29	2.92
12CN5	1.63	1.46	1.30	16GK6	1.53	1.37	1.22	32ET5A	1.20	1.08	.96
12CR6	1.48	1.33	1.18	16GY5	2.43	2.18	1.94	33GT7	3.48	3.13	2.78
12CU6/12C5	1.38	1.24	1.10	17AX3	1.30	1.17	1.04	33GY7A	3.03	2.72	2.42
12CU6	Use 12BQ6GT/12CU6			17AX4GTA	1.53	1.37	1.22	33JV6	2.10	1.89	1.68
12CX6	1.38	1.24	1.10	17AY3A	1.33	1.19	1.06	34GD5A	1.48	1.33	1.18
12D4	1.38	1.24	1.10	17BE3/17BZ3	1.45	1.31	1.16	35B5	1.60	1.44	1.28
12DB5	1.30	1.17	1.04	17BF11	2.28	2.05	1.82	35C5	1.05	.95	.84
12DK6	1.15	1.04	.92	17BQ6GTB	2.60	2.34	2.08	35EH5	1.70	1.53	1.36
12DQ6B	Use 12GW6/12DQ6B			17BS3A	1.68	1.51	1.34	35GL6	1.45	1.31	1.16
12DQ7	1.63	1.46	1.30	17BZ3	Use 17BE3/17BZ3			35L6GT	1.38	1.24	1.10
12DS7	2.03	1.82	1.62	17C5	1.10	.99	.88	35W4	.63	.56	.50
12DT5	1.55	1.40	1.24	17C9	3.58	3.22	2.86	35Y4	2.25	2.03	1.80
12DT8	1.78	1.60	1.42	17C3X	1.30	1.17	1.04	35Z3	2.35	2.12	1.88
12DU7	2.20	1.98	1.76	17CU5	1.35	1.22	1.08	35Z4GT	1.28	1.15	1.02
12DW7	1.53	1.37	1.22	17D4	1.53	1.37	1.22	35Z5GT	1.10	.99	.88
12DY8	3.98	3.58	3.18	17DE4	1.60	1.44	1.28	36AM3A	.78	.70	.62
12DZ6	1.80	1.62	1.44	17DM4A	1.70	1.53	1.36	36AM3B	1.13	1.08	.90
12EG6	1.73	1.55	1.38	17DQ6B	Use 17GW6/17DQ6B			38E7	3.33	2.99	2.66
12EK6	1.78	1.60	1.42	17EW3/HCC85	1.38	1.24	1.10	38HK7	3.28	2.95	2.62
12F8	1.63	1.47	1.30	17E5	2.10	1.86	1.74	42	2.43	2.19	1.94
12FK6	1.28	1.15	1.02	17GJ5A	2.75	2.48	2.20	43	3.60	3.24	2.88
12FM6	1.30	1.17	1.04	17GT5	2.23	2.00	1.78	50A5	2.93	2.63	2.34
12FQ8	2.60	2.34	2.08	17GV5	2.10	1.89	1.68	50B5	1.48	1.33	1.18
12FV7	1.70	1.53	1.36	17GW6/17DQ6B	2.13	1.91	1.70	50C5	1.10	.99	.88
12FX5	1.35	1.22	1.08	17JB6A	2.75	2.48	2.20	50DC4	1.20	1.08	.96
12FX8A	1.93	1.73	1.54	17JG6A	3.15	2.84	2.52	50EH5	1.15	1.04	.92
12GA6	1.35	1.21	1.08	17JM6A	2.10	1.89	1.68	50FE5	2.23	2.01	1.78
12GC6*	1.98	1.78	1.58	17JN6	1.95	1.76	1.56	50HC6	1.20	1.08	.96
12GE5*	2.05	1.85	1.64	17JT6A	2.48	2.23	1.98	50HK6	1.08	.97	.86
12GJ5A	2.45	2.21	1.96	17JZ8	1.78	1.60	1.42	50L6GT	1.43	1.28	1.14
12GN7A*	1.95	1.76	1.56	17KV6	3.65	3.29	2.92	50X6	2.93	2.63	2.34
12GT5	2.68	2.41	2.14	17LD8	Use 15K7A			50Y6GT	2.18	1.96	1.74
12GW6/12DQ6B	2.13	1.91	1.70	17X10	2.25	2.03	1.80	50Y7GT	2.13	1.91	1.70
12H6	2.23	2.01	1.78	18FW6A	1.23	1.10	.98	60FX5	1.48	1.33	1.18
12HE7	3.40	3.06	2.72	18FX6A	1.20	1.08	.96	80	2.40	2.16	1.92
12HG7	2.08	1.87	1.66	18FY6A	1.10	.99	.88	84 624	2.60	2.34	2.08
12HL7	1.95	1.75	1.56	18GD6A	1.48	1.33	1.18	117L7/117M7GT	4.78	4.30	3.82
12J5GT	2.40	2.16	1.92	19AU4GTA*	1.78	1.60	1.42	117N7GT	6.43	5.79	5.14
12J8	2.18	1.96	1.74	19BGGTA	3.33	2.99	2.66	117PTGT	6.43	5.79	5.14
12JB6A	3.10	2.79	2.48	19CL5A	1.85	1.67	1.48	117Z3	2.25	2.03	1.84
12JN6	1.95	1.76	1.56	19EA6	1.93	1.73	1.54	117Z6GT	3.35	3.02	2.68
12JN8	1.85	1.67	1.48	19EZ8	2.30	2.01	1.78	58T9	2.23	2.01	1.78
12JT6A	2.48	2.23	1.98	19GQ7	1.90	1.71	1.52	69T3	2.13	1.91	1.70
12K5	1.73	1.55	1.38	19HR6	1.23	1.10	.98	7025	1.55	1.40	1.24
12K7GT	3.30	2.97	2.64	19HS6	1.20	1.08	.96	7027A	3.38	3.04	2.70
12L6GT	1.78	1.60	1.42	19HV8	1.78	1.60	1.42	7189	1.43	1.28	1.14
12R5	1.68	1.51	1.34	19JN8	1.53	1.37	1.22	7199	2.23	2.00	1.78
12SA7	2.45	2.21	1.96	19KG8	1.40	1.26	1.12	7247	1.60	1.44	1.28
12SA7GT	2.45	2.21	1.96	19T8	2.03	1.82	1.62	7355	1.55	1.40	1.24
12SF5	1.93	1.73	1.54	19X8	2.05	1.85	1.64	7408	1.68	1.51	1.34
12SG7	2.35	2.12	1.88	20AQ3	1.65	1.48	1.32	7543	1.45	1.31	1.16
12SJ7	2.15	1.94	1.72	20AQ3/LY88	1.40	1.26	1.12	7581A	2.28	2.05	1.82
12SK7	2.23	2.01	1.78	20E27	1.70	1.53	1.36	7591A	1.40	1.26	1.12
12SK7GT	2.23	2.01	1.78	21G75	2.33	2.09	1.86	7695	2.20	1.98	1.76
12SL7GT	2.08	1.87	1.66	21HB5	2.18	1.96	1.74	7868	1.93	1.73	1.54
								EM84/6FG6	1.68	1.51	1.34

Laboratory-Tested Hi-Fi Tubes

QUALITY TUBES GUARANTEED FOR 10,000 HOURS
INDIVIDUALLY TESTED FOR

- Tube-to-Tube Uniformity
- Noise and Microphonics
- Distortion
- Heater Current

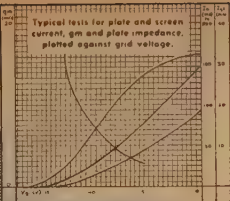
fully designed and selected tubes, guaranteed for 10,000 hours of efficient and effective performance within a two-year period from the date of purchase. Individually laboratory-tested to assure long life and ultra-high performance. Feature tube-to-tube and section-to-section uniformity. Have stable, close-tolerance characteristics. Highly recommended for critical circuit application such as in stereo hi-fi components, broadcast and antenna systems, instrumentation, computers, radar, commercial and public address systems, and many other devices. Ideal for today's technically advanced and exacting electronic assemblies. Each is packaged sealed in a plastic-foam cushion for extra protection. Give optimum results with existing equipment as well as in designing new equipment. From Britain. Av. shpg. wt. per tube, 5 oz.

When Ordering, Please Specify Full Dept. No. AND Tube Type No.

Example: 25 B 21 6AB8

Master 10M3 Series

IEC Mullard



Dept. No.	Tube Type	EACH	Dept. No.	Tube Type	EACH	Dept. No.	Tube Type	EACH
25 B 21	6AB8	2.60	25 B 21	6GK5	2.30	25 B 21	ECC85/6A08	2.30
25 B 21	6AJ8	2.55	25 B 21	6GH8	2.85	25 B 21	ECF86/6GH8	2.95
25 B 21	6AK5	3.10	25 B 21	6J6	2.45	25 B 21	EF86/6Z67	2.40
25 B 21	6AK8	1.65	25 B 21	6J6A	2.45	25 B 21	ECF86/7HG8	2.70
25 B 21	6AL5	1.80	25 B 21	6T8A	2.65	25 B 21	ECC88/6DJ8	2.95
25 B 21	6AO5	2.05	25 B 21	7HG8	2.55	25 B 21	KT88	5.60
25 B 21	6AO5A	2.05	25 B 21	9A8	3.10	25 B 21	EBF89/6DC8	2.50
25 B 21	6AQ8	2.30	25 B 21	12AT7	2.45	25 B 21	EF89/6DA6	2.45
25 B 21	6AT6	1.90	25 B 21	12AU7	2.10	25 B 21	EC90/6C4	2.70
25 B 21	6AT6	1.95	25 B 21	12AU7A	2.10	25 B 21	EC90/6BE6	Use 6BE6
25 B 21	6AU6A	1.95	25 B 21	12AV6	1.85	25 B 21	EL90/6AO5	Use 6AO5
25 B 21	6AV6	1.85	25 B 21	12AX7	1.10	25 B 21	EB91/6AL5	Use 6AL5
25 B 21	6BA6	1.85	25 B 21	12AX7A	2.10	25 B 21	EB91/6AV6	1.85
25 B 21	6BE6	2.00	25 B 21	12DW7	2.45	25 B 21	ECC91/6J6	2.45
25 B 21	6BL8	2.80	25 B 21	15CW5	2.40	25 B 21	HBC91/12AV6	1.85
25 B 21	6BQ5	2.05	25 B 21	KT66	3.68	25 B 21	EF93/6BA6	1.90
25 B 21	6BQ5A	2.05	25 B 21	KT77	4.28	25 B 21	EF94/6AU6	1.95
25 B 21	6C4	2.70	25 B 21	EABC80/6AK8	2.65	25 B 21	EC95/6ER5	2.30
25 B 21	6DC8	2.80	25 B 21	ECF80/6BL8	2.90	25 B 21	EF95/6AK5	3.10
25 B 21	6DJ8	2.85	25 B 21	ECL80/6AB8	2.60	25 B 21	EL95/6DL5	2.45
25 B 21	6DL5	2.45	25 B 21	PCF80/9A8	3.10	25 B 21	EC97/6FV5	2.25
25 B 21	6DX8	2.70	25 B 21	ECC81/12AT7	2.45	25 B 21	EF183/6EH7	2.50
25 B 21	6EH7	2.50	25 B 21	ECH81/6A78	2.55	25 B 21	EF184/6E17	2.50
25 B 21	6EJ7	2.50	25 B 21	ECC82/12AU7	2.10	25 B 21	ECC189/6ES8	2.30
25 B 21	6ER5	2.30	25 B 21	ECC83/12AX7	2.10	25 B 21	6267	2.40
25 B 21	6ES8	3.30	25 B 21	ECL84/6DX8	2.70	25 B 21	7025	2.25
25 B 21	6EU7	2.25	25 B 21	EL84/6BQ5	2.05	25 B 21	7247	2.45
25 B 21	6FV5	2.25	25 B 21	PL84/15CW5	2.40			

MULLARD MATCHED PAIRS FOR SUPERIOR HI-FI PERFORMANCE

For optimum performance, it is important that the incoming signal be amplified proportionately in the push-pull output tubes in an audio amplifier. This prevents a loss of power as well as distortion of the complex wave forms of the audio signal and their harmonics.

Mullard's laboratory-balanced matched pairs are designed for this purpose. Matched pairs are available for virtually every high-fidelity amplifier. They will perform in each circuit exactly as the equipment was designed to operate. Av. shpg. wt., 10 oz.



When Ordering, Specify Dept. No. (25 B 21) AND Tube Type No.

Dept. No.	Tube Type	PAIR	Dept. No.	Tube Type	PAIR	Dept. No.	Tube Type	PAIR
25 B 21	6AO5/EL90MP	Use 6AO5A	25 B 21	6L6C/EL37MP	6.95	25 B 21	EL86MP	Use 6CW5
25 B 21	6AO5A/EL90MP	2.48	25 B 21	6L6CC/EL34MP	Use 6CA7	25 B 21	EL90MP	Use 6AO5A
25 B 21	6BM8/ECL82MP	3.30	25 B 21	45B5/UL84MP	2.96	25 B 21	EL95MP	Use 6DL5
25 B 21	6BQ5/EL84MP	2.47	25 B 21	50B8/ULCL82MP	3.48	25 B 21	KT66MP	8.00
25 B 21	6BQ5A/7189MP	3.21	25 B 21	ECL82MP	Use 6BM8	25 B 21	KT77MP	9.25
25 B 21	6CA7/EL34MP	5.93	25 B 21	ECL86MP	3.43	25 B 21	KT88MP	11.95
25 B 21	6CW3/EL86MP	4.22	25 B 21	EL34MP	Use 6CA7	25 B 21	UCL82MP	Use 50B8
25 B 21	6DL5/EL95MP	2.36	25 B 21	EL37MP	Use 6L6C	25 B 21	UL84MP	Use 45B5
25 B 21	6GW8/ECL86MP	3.43	25 B 21	EL84MP	2.47	25 B 21	7189MP	3.21

ARGOS SERVICEMEN'S TUBE CADDIES

JUNIOR TUBE CADDY

\$9.55

Type TC-201. Easy-to-open, only one-third the size and weight of ordinary caddy. Perfect for quick servicing trips. Holds up to 143 tubes with room for meters and tools. "Break-open" section has cover and snap for keeping small parts in order. Brown vinyl covering is long-wearing and abrasion-resistant. Has clasp lock. Plastic handle. 6x1 1/2x8 1/2. Shpg. wt., 10 lbs.

24 B 9681 X. 9.55

"CARRY-ALL" CADDY

\$15.32

Type TC-4. One of the most popular caddies sold. Carries up to 262 tubes with room for soldering gun, meter, probes, tools, and assorted small parts. "Break-away" design permits quick access to all sections. Partitions aid in orderly arrangement of parts. Has two clasp locks; plastic carrying handle. Stuff-proof brown vinyl covering. Size, 15x 21x8 1/2. Shpg. wt., 12 lbs.

24 B 9679 X. 15.32

SUPER TUBE CADDY

\$20.98

Type TC-5. Ruggedly built, double-door caddy for tubes, tools, meters and parts. Carries up to 325 tubes with plenty of space for small parts. For the serviceman who believes in carrying a full load to save extra trips. Has removable 2 3/4" deep tray featuring "egg crate" design for fuses, bulbs, etc. Brown vinyl. 16 1/2x24x8 1/2. 19 lbs.

24 B 9680 X. \$5 Monthly. 20.98

Always Specify Dept. No. and Mfr's Tube Type No. When Ordering



ONE
YEAR
GUARANTEE

Guaranteed TV Picture Tubes

For the First Time . . . Take Advantage of Big Bulb Allowances by Returning Your Defective Color Picture Tubes



RCA'S BEST . . . SAME QUALITY, SAME TUBES
AS USED IN BRAND-NEW TV SETS

RCA Hi-Lite Color Tubes. All-new with advanced green and blue sulfide phosphors, plus rare earth red phosphor to provide picture brightness and color fidelity at its finest. Special RCA screening procedure assures fine picture quality. Guaranteed for one year. RCA Color Tubes. Contain used materials which are carefully inspected to meet RCA's standards. Made by the same technicians as Hi-Lite tubes. Guaranteed one year. Defective tubes returned to Allied for allowance must be shipped pre-paid in the same carton in which your new tube was received. Specify Dept. No. (25 B 28), Shipment (Y) and Type (HR/19EXP22). Ex. 25 B 28 Z H-19EXP22.

New Hi-Lite Color Picture Tubes

Ship.	Tube Type	Wt. Lbs.	Bulb Allow.	E.A.
Z	H-15LP22	17	20.00	111.50
Z	H-19EXP22 Replaces: HR/19EXP22	24	25.00	137.25
Z	H-19GWP22 Replaces: H-19EYP22;HR/19EYP22;19FMP22	30	25.00	146.50
Z	H-21FBP22A Replaces: HR/21FBP22A	45	25.00	123.00
Z	H-21FJP22A Replaces: HR/21FJP22A	54	25.00	135.75
Z	H-22JP22	42	25.00	163.75
Z	H-25BP22A Replaces: 25BP22;HR/25BP22A;RE25BP22A;25FP22A	52	30.00	165.75
Z	H-25XP22 Replaces: 25AP22; H1-25AP22A; HR/25AP22A; RE25AP22A; REA25AP22A; RE25CP22; REA25CP22; 25GP22A; RE25CP22	52	30.00	178.00

Colorama Picture Tubes

Ship.	Tube Type	Wt. Lbs.	Bulb Allow.	E.A.
Z	15GP22	38	20.00	137.00
Z	C-21AXP22A Replaces: CS/21AXP22;CS/21AXP22A	45	25.00	105.00
Z	C-21CYP22A Replaces: CS/21CYP22;CS/21CYP22A	45	25.00	103.00
Z	C-21FBP22 Replaces: CS/21FBP22	45	25.00	110.00
Z	C-21FJP22 Replaces: CS/21FJP22;CS/21FKP22	54	25.00	121.00
Z	C-23EGP22A Replaces: 23EGP22	52	30.00	176.00
Z	C-25AP22A	52	30.00	159.00
Z	C-25BP22A	52	30.00	149.00
Z	G-19EYP22A	30	20.00	132.00



RCA AND G.E. BLACK-AND-WHITE PICTURE TUBES ALL TUBES GUARANTEED ONE FULL YEAR

- Premium Quality, Name-Brand Tubes At Lowest Cost
- Replace Almost All Existing Types
- Each Carries Same Guarantee as All-New Picture Tube
- Most Have Aluminized Screens

Provide greater contrast, brighter picture. All parts and materials used are brand new, except for the envelope, which is carefully inspected to meet standards of the original new envelope. Where alternate tubes are indicated, the substitute is interchangeable with the original G.E. or

RCA tubes supplied, whichever is in stock time of order (unless otherwise specified). Tubes marked with * are not aluminized. To order: specify Dept. No. (25 B 28), "Ship," letter, and Tube Type. If you wish to return a tube, ship it prepaid; will ship replacement prepaid.

Ship.	Type	Lbs.	EACH
X	5AXP4*	5	27.80
X	5TP4	5	55.78
X	7JP4	7	22.41
X	8DP4*	8	24.07
X	8XP4	8	20.72
X	8YP4*	8	33.65
X	9QP4A	10	28.79
X	10BP4A	14	27.60
X	10BP4C/D*	Use 10FP4A	
X	10CP4*	Use 10FP4A	
X	10EP4*	Use 10BP4A	
X	10FP4A	13	29.39
X	11CP4	4	25.80
X	11GP4	4	26.07
X	11HP4A	4	24.67
U	12BNP4A	5	28.20
U	12CGP4	Use 12BNP4A	
U	12JP4*	Use 12KP4A	
U	12KP4A/C*	17	28.79
U	12LP4A/C*	Use 12KP4A	
U	12QP4/A*	Use 12KP4A	
U	12TP4*	Use 12KP4A	
U	12ZP4/A*	Use 12KP4A	
U	14ATP4*	12	27.20
U	14BP4A/A*	Use 14CP4B	
U	14CP4A/A/B*	Use 14CP4B	
U	14CP4B	14	26.07
U	14DP4*	Use 14CP4B	
U	14EP4*	Use 14CP4B	
U	14HP4*	Use 14QP4B	
U	14NP4/A	Use 14WP4	
U	14RP4/A	Use 14WP4	
U	14SP4	Use 14WP4	
U	14WP4	12	28.36
U	14ZP4	Use 14WP4	

Ship.	Type	Lbs.	EACH
U	16ANP4	22	34.31
U	16ATP4	22	37.83
U	16AYP4	9	23.39
U	16BGP4	22	31.85
U	16BP4A	22	30.35
U	16BWP4	Use 16BP4A	
U	16CP4A	22	28.95
U	16CHP4A	22	28.95
U	16CP4A	23	32.60
U	16CP4*	Use 16LP4A	
U	16DP4A*	23	18.42
U	16GP4B*	Use 16WP4A	
U	16KP4/A	Use 16RP4B	
U	16LP4A*	25	20.88
U	16QP4*	Use 16RP4B	
U	16KP4A	Use 16RP4B	
U	16RP4B	22	18.42
U	16SP4A*	Use 16WP4A	
U	16TP4*	21	28.20
U	16UP4*	Use 16RP4B	
U	16VP4*	Use 16WP4A	
U	16WP4A*	21	30.66
U	16XP4*	Use 16RP4B	
U	16YP4*	Use 16WP4A	
U	16ZP4*	Use 16LP4A	
U	17AP4*	Use 17BP4D	
U	17ATP4	Use 17BP4A	
U	17ATP4A	Use 17BP4A	
U	17AVP4	Use 17BP4A	
U	17AVP4/A	Use 17BP4A	
U	17BJP4	17	22.56
U	17BP4 B/D	20	18.62
U	17BRP4	Use 17DS4	
U	17BP4A	Use 17BP4A	
U	17BVP4	Use 17CS4	

Ship.	Type	Lbs.	EACH
U	17BWP4	Use 17CS4	
U	17BZP4	Use 17DS4	
U	17CAP4	Use 17DS4	
U	17CBP4*	Use 17BP4A	
U	17CDP4*	14	32.61
U	17CFP4	17	24.54
U	17CKP4	Use 17DS4	
U	17CLP4	Use 17BP4A	
U	17CP4	25.81	
U	17CRP4	24	24.05
U	17CSP4	13	26.13
U	17CWP4	Use 17DS4	
U	17CYP4	17	31.39
U	17DAP4	13	31.40
U	17DKP4	14	26.13
U	17DLP4	Use 17DS4	
U	17DQP4	13	26.13
U	17DRP4	14	31.98
U	17DSP4	13	23.89
U	17DTP4	Use 17DKP4	
U	17DXP4	14	26.69
U	17DZP4	Use 17DXP4	
U	17EP4	24	21.26
U	17GP4*	Use 17TP4	
U	17HP4B/C	16	18.62
U	17JP4	Use 17BP4D	
U	17LP4A/B	16	20.42
U	17QP4A/B	14	20.42
U	17RP4/C	Use 17HP4C	
U	17TP4*	16	19.43
U	17UP4*	Use 17QP4B	
U	17VP4B/B*	Use 17LP4B	
U	17YP4*	Use 17QP4B	
U	19ABP4	19	33.77

Listings Continued on Following Page.

Guaranteed TV Picture Tubes (Cont'd)



TO ORDER: Specify Dept. No. 25 B 28, "X," "U," or "Z" Shipment and Tube Type No.

Type	Lbs.	EACH
19ACP4	....	Use 19CHP4
19AFP4	....	Use 19AUP4
19AHP4	19	30.26
19AJ4	19	30.26
19AUP4	19	35.22
19AVP4	19	30.26
19AXP4	....	Use 19AYP4
19AYP4	24	30.26
19BDP4	24	30.89
19BLP4	....	Use 19AVP4
19BTP4	26	30.26
19BVP4	....	Use 19AVP4
19BWP4	....	Use 19AVP4
19CFP4	....	Use 19CHP4
19CHP4	24	30.26
19CKP4	....	Use 19CHP4
19CMP4	26	30.26
19CKP4	26	30.26
19DAP4	26	32.87
19DEP4	....	Use 19AVP4
19DQP4	26	32.87
19DRP4	26	32.87
19DSP4	26	32.87
19DWP4	....	Use 19DQP4
19EBP4	26	35.00
19EGP4	26	35.00
19ENP4	26	30.47
19FEP4	26	30.47
19FLP4	26	33.70
19XP4	....	Use 19AVP4
19YP4	....	Use 19BTP4
19ZP4	....	Use 19AVP4
20CP4	....	Use 20DP4
20CP4A/B/C	....	Use 20DP4D
20DP4C/D	24	31.32
20HP4D/E	30	31.32
20LP4*	....	Use 20HP4E
20MP4*	....	Use 20HP4E
21ACP4/A	....	Use 21AMP4B
21AFP4*	....	Use 21YP4B
21ALP4/A/B	....	Use 21CBP4A
21AMP4A/B	35	19.37
21ANP4/A	....	Use 21CBP4A
21AP4	....	Use 21ZP4C
21AQ4/A	....	Use 21AMP4B
21ASP4*	....	Use 21XP4B
21ATP4/A/B	....	Use 21CBP4
21AUP4/A/B	....	Use 21AVP4C
21AVP4B/C	24	22.62
21AWP4/A	26	22.62
21AYP4*	....	Use 21XP4B
21BAP4*	....	Use 21CBP4A
21BNP4	....	Use 21CBP4A
21BSP4	....	Use 21AMP4B
21BTP4	....	Use 21CBP4A
21CBP4A	33	19.37

Ship.	Type	Lbs.	EACH
Z	21CEP4/A	....	Use 21DFP4
Z	21CMP4	....	Use 21CBP4A
Z	21CQP4	20	31.09
Z	21CP4	....	Use 21AMP4B
Z	21CVP4	....	Use 21CBP4A
Z	21CW4	....	Use 21CBP4A
Z	21CX4	....	Use 21DSP4
Z	21CZ4	....	Use 21DEP4A
Z	21DAP4	....	Use 21DEP4A
Z	21DEP4A	26	27.40
Z	21DFP4	33	27.40
Z	21DHP4	32	31.03
Z	21DLP4	30	26.06
Z	21DMP4	....	Use 21FAP4
Z	21DNP4	....	Use 21CBP4
Z	21DQP4	....	Use 21DLP4
Z	21DSP4	37	23.89
Z	21EAP4	....	Use 21FDP4
Z	21EMP4	....	Use 21EQP4
Z	21EP4A/C	35	24.60
Z	21EQP4	29	31.03
Z	21ESP4	....	Use 21FAP4
Z	21EVP4	29	Use 21FDP4
Z	21FAP4	29	27.40
Z	21FDP4	29	39.50
Z	21FLP4	....	Use 21CBP4A
Z	21FP4D	35	26.65
Z	21FVP4	19	40.96
Z	21WP4A/B	31	29.46
Z	21XP4A/B	33	29.46
Z	21YP4A/B	32	17.56
Z	21ZP4B/C	33	17.56
Z	23AFP4	....	Use 23YP4
Z	23AHP4	39	38.10
Z	23ALP4	....	Use 23CQP4
Z	23ANP4	....	Use 23BLP4
Z	23ARP4	35	38.80
Z	23ASP4	36	38.10
Z	23ATP4	....	Use 23BLP4
Z	23AUP4	....	Use 23AHP4
Z	23AVP4	....	Use 23CP4
Z	23A WP4	....	Use 23BP4
Z	23BDP4	....	Use 23YP4
Z	23BGP4	36	37.50
Z	23BHP4	....	Use 23BGP4
Z	23BJP4	35	38.10
Z	23BKP4	....	37.50
Z	23BLP4	45	41.42
Z	23BNP4	....	Use 23CP4
Z	23BQP4	40	39.00
Z	23BTP4	....	Use 23YP4
Z	23BVP4	....	Use 23YP4
Z	23CBP4	35	41.42
Z	23CQP4	40	38.10
Z	23CP4	36	39.00
Z	23CQP4	36	38.10

Ship.	Type	Lbs.	EACH
Z	23DAP4	28	40.39
Z	23DBP4	30	39.17
Z	23DLP4	....	Use 23ENP4
Z	23DNP4	....	Use 23BLP4
Z	23EKP4	29	40.20
Z	23ENP4	33	40.20
Z	23EP4	....	Use 23HFP4A
Z	23EQP4	40	39.95
Z	23ESP4	....	Use 23HFP4A
Z	23ETP4	41	39.00
Z	23EZP4	40	42.80
Z	23FBP4	40	40.07
Z	23FMP4	40	38.25
Z	23FFP4	34	38.10
Z	23FRP4	40	41.75
Z	23FSP4	40	41.75
Z	23FVP4/A	....	Use 23HFP4A
Z	23GJP4/A	34	37.26
Z	23GP4	....	Use 23CP4
Z	23GSP4	40	41.60
Z	23HFP4A	40	40.40
Z	23HGP4	40	41.60
Z	23HFP4	34	Use 23HFP4A
Z	23HP4	....	Use 23CP4
Z	23HUP4A	40	40.50
Z	23JP4	43	38.87
Z	23KP4/A	....	Use 23FP4A
Z	23MP4/A	....	Use 23FP4A
Z	23NP4	40	38.10
Z	23TP4	....	Use 23YP4
Z	23UP4	....	Use 23BQP4
Z	23WP4	....	Use 23FP4A
Z	23XP4	....	Use 23YP4
Z	23YP4	48	38.87
Z	24ADP4	....	Use 24CP4B
Z	24AEP4	46	25.00
Z	24AHP4	40	42.55
Z	24AJP4	....	Use 24ATP4
Z	24ALP4	....	Use 24AHP4
Z	24ANP4	....	Use 24AEP4
Z	24ATP4	39	46.68
Z	24AUP4	39	35.51
Z	24AVP4	....	Use 24BEP4
Z	24BP4	34	56.38
Z	24BEP4	36	52.69
Z	24CP4A/B	33	25.00
Z	24DP4/A	....	Use 24AEP4
Z	24QP4*	....	Use 24CP4B
Z	24TP4	....	Use 24CP4B
Z	24VP4/A	....	Use 24CP4B
Z	24YP4	....	Use 24AEP4
Z	24ZP4	....	Use 24AEP4
Z	27EP4	40	Use 27RP4A
Z	27GP4*	....	Use 27RP4A
Z	27NP4*	....	Use 27RP4A
Z	27RP4/A	62	71.42

RCA COLOR AND BLACK-AND-WHITE TV SERVICING EQUIPMENT

TV TUBE SERVICING AIDS

69 RCA Color TV "Quik-Measure" Kit. This kit you can measure both voltage and current at any tube pin in a color TV without pulling the chassis from the set. The following units are packaged in soft red plastic zippered containers: 7 9-pin socket adapters for miniature 8-pin socket adapter for octal tubes; cap extension lead; current measuring lead. With this handy kit you'll take voltage and current measurements quickly and accurately. Shpg. wt., 1 lb.

9045.....9.50

72 TV Cleaning Cloth Set. A handy set of cleaning cloths to take with you on house calls. One brings cabinetry to a gloss and one cleans the face plate of picture tube. With this TV cleaning set you leave your customer's sets dust-free and gleaming. Shpg. wt., 1 lb.

9046......98

100 Picture Tube Product Guide. For color black-and-white. Full technical data on RCA picture tubes in one compact catalog. Includes Quick Selection Guide, Characteristics and Interchangeability Charts and complete line. Shpg. wt., 12 oz.

7742 E......35

SERVICEMEN'S TIME SAVERS

205-W2 Degaussing Coil. Demagnetizes kinescopes and chassis to permit greater color purity and sharper pictures. Avoids spots, bursts, etc. With on-off switch. Shpg. wt., 4 1/2 lbs.

21 B 4361.....13.60

220-X1 Kinescope Socket Extension Cable. Connects easily to any kinescope tube. Shpg. wt., 1/2 lb.

21 B 4201.....3.90

221-X1. Deflection Yoke Convergence Extension Cable. Shpg. wt., 1/2 lb.

21 B 4202.....1.85

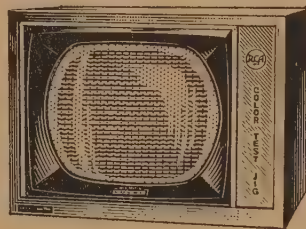
228-X1 Deflection Yoke Extension Cable. Connects to color test jig. 2 oz.

21 B 4204.....2.75

KINESCOPE SOCKET EXTENSION CABLE

13B111. Kinescope Socket Extension Cable. For use with RCA CIC17 and CIC19 Series color TV chassis to connect to the RCA Color Test Jig equipped with a 21-inch Kinescope. Shpg. wt., 1/2 lb.

21 B 4317.....5.85



11A1015A Color Test Jig

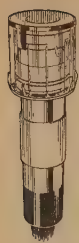
Simplifies color TV servicing. Takes RCA 21CYP22A tri-color kinescope. Eliminates necessity of removing picture tube from cabinet and of reworking tube when chassis is returned. Control panel provides dynamic and static convergence. Metal cabinet with safety glass. Instructions, data for use with CTC-4, 5, 7 and 9 chassis. Less tube, 93 lbs. Express.

21 B 4194 Z. \$7 Monthly.....135.00

See pages 450-451 for more of RCA's latest color and black-and-white TV servicing gear.

Specify Dept. No. 25 B 28, "X," "U," or "Z" Shipment and Tube Type No.

Special-Purpose Tubes



ORDERING INFORMATION

When ordering, be sure to include the full Stock No. of each tube you need. This consists of two parts. 1. The Department No., and 2. The Tube Type No. i. e., 59 B 1 (Dept. No.) OA3, (Tube Type); thus 59 B 1-OA3.

USE YOUR ALLIED CREDIT FUND TO BUY TUBES

Buy all the tubes you need now and take up to two years to pay. Allied's Credit Fund Plan gives you top buying power and the best credit terms in the

electronics industry. There's no money down... nothing to pay for 30 days. Pay only \$5 monthly for up to \$100 worth of tubes or anything that Allied sells.

Highly reliable, special-purpose tubes from famous manufacturers. Meet exacting specifications in commercial, military, Amateur, and experimental uses. Carefully made and thoroughly tested. Special

cial high-fidelity tubes are followed by brackets in table below. (Type in brackets indicates reworking tube prototype.) All are directly interchangeable; need no rewiring.

DEPARTMENT NO. KEY TO NAMES OF MANUFACTURERS

59 B 1 Radio Corporation of America
59 B 2 Raytheon
59 B 3 General Electric

59 B 4 Amperex
59 B 12 Sylvania Electronic
59 B 21 Mullard

Dept.	Stock No.	EACH
59 B 1	OA2/6073	1.32
59 B 21	OA2/150C2	1.26
59 B 1	OA3	1.54
59 B 3	OA4G	1.90
59 B 1	OB2	1.37
59 B 21	OB2/108C1	1.32
59 B 1	OB2WA	2.40
59 B 1	OC2	1.50
59 B 1	OC3	1.50
59 B 1	OD3	1.44
59 B 4	OG3/85A2	2.30
59 B 2	1AD4	2.80
59 B 2	1AG4	7.30
59 B 1	1PA0	4.80
59 B 1	2D21	1.29
59 B 1	2E26	4.00
59 B 1	2X2A	3.95
59 B 1	3A4	1.25
59 B 1	3A5	2.03
59 B 3	5R4GYA	2.05
59 B 1	5R4GYB	2.03
59 B 1Z	5UP1	21.50
59 B 12	5Y3WGTA	4.05
59 B 1	6AK6	1.40
59 B 2	6AN5	4.17
59 B 1	6A56	3.43
59 B 2	6A57G	4.93
59 B 12	6D4	2.85
59 B 1	6J4	4.02
59 B 2	6X4W	1.60
59 B 1	12AT7WA	2.53
59 B 21	EL34(6CA7)	2.88
59 B 21	GZ34(5AR4)	2.13
59 B 21	EL37	3.55
59 B 21	DM70(1M3)	1.20
59 B 21	EABC80(6AK8)	1.68
59 B 21	ECF80(6BL8)	1.88
59 B 21	EF80(6BX6)	1.53
59 B 21	EZ80(6V4)	1.80
59 B 4	ECC81(12AT7)	1.43
59 B 21	ECC81(12AT7)	1.43
59 B 21	ECH81(6AJ8)	1.40
59 B 21	EZ81(6CA4)	1.15
59 B 4	EZ81	1.15
59 B 4	ECC82(12AU7)	1.18
59 B 21	ECC82(12AU7)	1.18
59 B 21	ECF82(6AU8)	1.55
59 B 1	83	1.89
59 B 21	ECC83	1.20
59 B 21	EL84(6BQ5)	1.15
59 B 21	EM84(6FG6)	1.68
59 B 4	EL84MP(6BQ5)	2.58
59 B 21	ECC85(6AQ8)	1.50
59 B 21	EF85(6BY7)	1.53
59 B 21	EL86	1.53
59 B 21	EF86(6267)	1.30
59 B 21	EL86(6CW5)	1.55
59 B 21	UF86	1.63
59 B 21	ECC88(6DJ8)	2.23
59 B 21	EBF89(6DC8)	1.53
59 B 21	EF89(6DA6)	1.42
59 B 21	EZ90(6XA)	1.80
59 B 21	EF91(6AM6)	1.55
59 B 21	EF94(6AU6)	.88
59 B 21	EF95	2.25
59 B 21	EL95(6DL5)	1.53
59 B 12	GB407A	5.90

Dept.	Stock No.	EACH
59 B 12	GB408A	4.95
59 B 12	417A See 5842/417A	
59 B 1	502A	2.28
59 B 2	512AX	4.15
59 B 2	533AX	4.20
59 B 1	807	3.40
59 B 1	811A	7.15
59 B 1	812A	7.60
59 B 1	816	3.60
59 B 1	866A	3.50
59 B 4	866AX	3.90
59 B 1	884	2.28
59 B 1	922	3.80
59 B 1	923	4.70
59 B 1	925	5.00
59 B 1	926	5.20
59 B 1	927	6.00
59 B 1	929	3.45
59 B 1	930	4.95
59 B 2	1026	4.80
59 B 1	1612	5.77
59 B 1	1614	4.93
59 B 1	1619	6.23
59 B 1	1620	7.55
59 B 1	1622	5.35
59 B 1	1625	5.50
59 B 1	1629	2.04
59 B 1	1635	4.20
59 B 1	2050	2.37
59 B 3	2050A	2.03
59 B 1	5557	9.50
59 B 1	5581	4.85
59 B 1	5582	6.30
59 B 1	5583	8.73
59 B 1	5642	3.53
59 B 1	5651A	1.78
59 B 1	5654	2.41
59 B 1	5654/6AK5W/6096	2.45
59 B 1	5670	2.45
59 B 1	5670WA	2.45
59 B 2	5672	2.27
59 B 2	5676	3.05
59 B 1	5686	3.37
59 B 3	5687	4.00
59 B 1	5691	8.75
59 B 1	5692	8.25
59 B 1	5693	6.60
59 B 1	5696	1.95
59 B 2	5702	4.20
59 B 1	5718	3.65
59 B 1	5725	3.15
59 B 3	5725/6A56W	3.15
59 B 1	5726/6AL5W	1.55
59 B 1	5727	2.90
59 B 1	5749	2.20
59 B 3	5749/6B6A6W	2.20
59 B 1	5750	3.45
59 B 1	5751	2.55
59 B 1	5751WA	2.55
59 B 2	5755	9.30
59 B 1	5763	2.45
59 B 1	5814A	2.35
59 B 1	5823	1.72
59 B 3	5824	3.60
59 B 1	5840	5.35
59 B 1	5842/417A	7.35
59 B 3	5844	2.30
59 B 12	5845	9.95
59 B 4	5847	9.55

Dept.	Stock No.	EACH
59 B 1	5876A	7.30
59 B 3	5876A	1.85
59 B 3	5881	3.50
59 B 3	5881MP	7.85
59 B 2	5886	5.00
59 B 1	5902	4.80
59 B 1	5915	1.62
59 B 1	5963	1.36
59 B 1	5964	1.55
59 B 1	5965	1.92
59 B 3	5965A	1.90
59 B 1	6005	3.23
59 B 4	6007	1.72
59 B 1	6012	7.65
59 B 1	6021	3.50
59 B 1	6072	3.90
59 B 3	6072A	3.90
59 B 1	6073	3.00
59 B 1	6074	3.45
59 B 1	6080	5.33
59 B 3	6087/5Y3WGTB	5.75
59 B 2	6088	3.35
59 B 1	6111	3.70
59 B 1	6112	4.15
59 B 1	6136	2.70
59 B 1	6146A	4.35
59 B 1	6146B/8298A	5.25
59 B 1	6146W/7212	6.75
59 B 1	6189/12AU7WA	3.70
59 B 1	6197	2.30
59 B 1	6201	2.95
59 B 3	6202/6X4W	4.10
59 B 3	6203	4.10
59 B 1	6211	2.15
59 B 3	6216	4.00
59 B 3	6265	4.10
59 B 4	6267/EF86	1.30
59 B 1	6293	5.95
59 B 1	6350	1.85
59 B 4	6360	4.95
59 B 4	6360A	4.95
59 B 1	6417	3.33
59 B 2	6418	3.20
59 B 3	6463	1.90
59 B 2	6485	2.05
59 B 1	6550	4.59
59 B 1	6550V1	9.25
59 B 1	6626/OA2WA	3.35

Dept.	Tube Type	EACH
59 B 1	6661/6BH6	1
59 B 1	6663/6AL5	1
59 B 1	6677/6CL6	1
59 B 1	6678/6UBA	1
59 B 1	6679/12AT7	1
59 B 1	6680/12AU7A	1
59 B 4	6688A	6
59 B 1	6883	4
59 B 1	6922	4
59 B 4	6922/EB8CC	4
59 B 4	6977	2
59 B 21	7025A	1
59 B 3	7044	2
59 B 1	7054	1
59 B 1	7056	1
59 B 1	7059	1
59 B 1	7060	1
59 B 1	7061	1
59 B 4	7062	2
59 B 4	7119	2
59 B 3	7167	1
59 B 21	7189	1
59 B 3	7233	6
59 B 3	7239	6
59 B 21	7247	1
59 B 1	7308	1
59 B 4	7316	1
59 B 1	7360	1
59 B 1	7551	1
59 B 1	7558	1
59 B 1	7586	1
59 B 1	7587	1
59 B 1Z	7735B	170
59 B 4	7737USN	1
59 B 1	7895	1
59 B 1	7898	1
59 B 1	7905	1
59 B 3	7984	1
59 B 1	8008	1
59 B 1	8032	1
59 B 1	8056	1
59 B 3	8068	1
59 B 3	8136	1
59 B 4	8228	1
59 B 1	9001	1
59 B 1	9002	1
59 B 1	9003	1

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Allied's Semiconductor and Integrated Circuit Directory

KEY TO NAMES OF MANUFACTURERS

Cpt. No.	Mfr.	Name
9 B 1	RCA	Radio Corp. of America
9 B 3	GE	General Electric
9 B 12	SYL	Sylvania
9 B 24	IR	International Rectifier
9 B 26	MOT	Motorola
9 B 30	SPR	Sprague
9 B 31	ST	Sarkis Tarzian
9 B 32	TI	Texas Instruments
9 B 33	TRW	Pacific Semiconductors (Thompson Ramo Woolridge)

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designates Sylvania Type 1N21B

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For example: 50 B 1 CA3028-RCA
designates Radio Corp. of America Type CA3028

	Mfr.	EACH	Type	Mfr.	EACH	Type	Mfr.	EACH	Type	Mfr.	EACH	Type	Mfr.	EACH	Type
B	SYL	.68	1N279	SVL	.29	1N648	GE	1.95	1N754	TI	1.05	1N964	IR	1.40	1N964
C	SYL	1.02	1N281	SVL	.31	1N649	GE	2.50	1N754A	TI	1.05	1N964A	IR	1.50	1N964A
D	SYL	2.10	1N283	SVL	.51	1N658	SVL	1.76	1N755	TI	1.05	1N964B	MOT	2.95	1N964B
F	SYL	8.10	1N294	SVL	.34	1N659	SVL	.58	1N755A	TI	1.05	1N965	IR	1.40	1N965
WE	SYL	4.35	1N295	SVL	.35	1N660	TI	.65	1N756	TI	1.05	1N965A	IR	1.50	1N965A
B	SYL	.67	1N315	GE	3.00	1N661	TI	.98	1N756A	TI	1.05	1N965B	MOT	2.95	1N965B
C	SYL	1.02	1N429	MOT	.55	1N662	SVL	.92	1N757	TI	1.05	1N966	IR	1.40	1N966
D	SYL	2.10	1N440B	GE	.66	1N663	SVL	1.20	1N757A	TI	1.05	1N966A	IR	1.50	1N966A
F	SYL	7.15	1N441B	GE	.69	1N676	GE	.93	1N758	TI	1.05	1N966B	MOT	2.95	1N966B
WE	SYL	4.35	1N442B	TI	.79	1N677	GE	1.05	1N758A	TI	1.05	1N967	IR	1.40	1N967
B	SYL	3.53	1N443B	GE	.98	1N678	GE	1.23	1N759	TI	1.05	1N967A	IR	1.50	1N967A
C	SYL	6.50	1N444B	TI	1.05	1N682	GE	1.65	1N759A	TI	1.05	1N967B	MOT	2.95	1N967B
D	GE	.33	1N445B	GE	1.43	1N684	GE	1.88	1N761	TI	1.05	1N968	IR	1.40	1N968
F	SVL	.30	1N456	SVL	.42	1N686	GE	2.25	1N762	TI	1.05	1N968A	IR	1.50	1N968A
WE	SVL	1.58	1N456A	SVL	.42	1N689	GE	2.50	1N763	TI	1.05	1N968B	MOT	2.95	1N968B
B	SVL	.49	1N457	SVL	.45	1N695	SVL	1.30	1N765	TI	1.05	1N969	IR	1.40	1N969
C	SVL	.49	1N457A	SVL	.45	1N702	IR	1.83	1N765	TI	1.05	1N969A	IR	1.50	1N969A
D	SVL	.30	1N458	SVL	.48	1N702A	IR	2.55	1N766	TI	1.05	1N969B	MOT	2.95	1N969B
F	SVL	.42	1N458A	SVL	.48	1N703	IR	1.83	1N770	SVL	.48	1N970	IR	1.40	1N970
WE	SVL	.40	1N459	SVL	.51	1N703A	IR	2.55	1N816	SVL	.52	1N970A	IR	1.50	1N970A
B	SVL	.55	1N459A	SVL	.51	1N704	IR	1.83	1N821	MOT	2.75	1N970B	MOT	2.95	1N970B
C	SVL	.30	1N461	SVL	.42	1N704A	IR	2.55	1N821A	MOT	3.05	1N971	IR	1.40	1N971
D	SVL	.36	1N461A	SVL	.42	1N705	IR	1.83	1N823	MOT	3.60	1N971A	IR	1.50	1N971A
F	SVL	.30	1N462	SVL	.44	1N705A	IR	2.55	1N823A	MOT	3.90	1N971B	MOT	2.95	1N971B
WE	SVL	.48	1N462A	SVL	.44	1N706	IR	1.83	1N824	GE	.40	1N972	IR	1.40	1N972
B	SVL	.28	1N463	SVL	.54	1N706A	IR	2.55	1N830A	SVL	3.85	1N972A	IR	1.50	1N972A
C	SVL	.28	1N463A	SVL	.54	1N707	IR	1.83	1N831	SVL	6.85	1N972B	IR	1.75	1N972B
D	SVL	.30	1N464	SVL	.53	1N707A	IR	2.55	1N914	GE	.35	1N973	IR	1.40	1N973
F	SVL	.48	1N464A	SVL	.53	1N708	IR	1.83	1N914A	GE	.40	1N973A	IR	1.50	1N973A
WE	SVL	5.00	1N482	SVL	.66	1N708A	IR	2.55	1N916	GE	.52	1N973B	MOT	2.95	1N973B
B	SVL	.48	1N482A	SVL	.69	1N709	IR	1.83	1N916A	GE	.58	1N974B	MOT	2.95	1N974B
C	SVL	.70	1N482B	SVL	.69	1N709A	IR	2.55	1N916B	GE	.87	1N975B	MOT	2.95	1N975B
D	IR	.45	1N483	SVL	.70	1N710	IR	1.83	1N935	MOT	2.30	1N976B	MOT	2.95	1N976B
F	SVL	.33	1N483A	SVL	.70	1N710A	TI	1.05	1N935A	MOT	2.60	1N977B	MOT	2.95	1N977B
WE	GE	.90	1N483B	SVL	.70	1N711	IR	1.83	1N936	MOT	2.75	1N978B	MOT	2.95	1N978B
B	GE	1.95	1N484A	SVL	.70	1N711A	IR	2.55	1N936A	MOT	3.55	1N979B	MOT	2.95	1N979B
C	SVL	.31	1N485	SVL	.90	1N712	IR	1.83	1N936B	MOT	4.20	1N980B	MOT	2.95	1N980B
D	SVL	.50	1N485A	SVL	.90	1N712A	TI	1.05	1N937	MOT	5.35	1N981B	MOT	2.95	1N981B
F	SVL	.32	1N485B	SVL	.90	1N713	IR	1.83	1N937A	MOT	6.15	1N982B	MOT	2.95	1N982B
WE	SVL	.49	1N486A	SVL	.90	1N713A	IR	2.55	1N938	MOT	6.95	1N983B	MOT	2.95	1N983B
B	SVL	.23	1N486B	SVL	.90	1N714	TI	1.05	1N938A	MOT	7.55	1N984B	MOT	2.95	1N984B
C	SVL	.30	1N487	SVL	1.05	1N715	IR	1.83	1N941	MOT	3.20	1N985B	MOT	3.65	1N985B
D	SVL	.32	1N487A	SVL	1.41	1N715A	IR	2.55	1N941B	MOT	3.60	1N986B	MOT	3.65	1N986B
F	GE	6.10	1N488	SVL	1.17	1N716	TI	1.05	1N942A	MOT	4.35	1N986B	MOT	3.65	1N986B
WE	SVL	.35	1N488A	SVL	1.78	1N717	IR	1.83	1N942B	MOT	4.95	1N987B	MOT	3.65	1N987B
B	SVL	.34	1N497	SVL	.39	1N718	IR	1.83	1N943	MOT	6.90	1N991B	MOT	3.65	1N991B
C	SVL	.35	1N498	SVL	.44	1N719	IR	2.55	1N957A	IR	1.40	1N992B	MOT	3.65	1N992B
D	SVL	1.03	1N500	SVL	.53	1N721A	IR	2.55	1N957B	IR	2.95	1N993B	ST	.60	1N993B
F	GE	1.65	1N536	GE	.45	1N722	IR	1.83	1N957B	MOT	2.35	1N998B	ST	.65	1N998B
WE	MOT	1.65	1N537	GE	.50	1N722A	IR	2.55	1N958	IR	1.40	1N1083	ST	.70	1N1083
B	MOT	1.80	1N538	GE	.53	1N723	IR	1.83	1N958A	IR	1.50	1N1084	ST	.75	1N1084
C	RCA	1.65	1N539	GE	.60	1N723A	IR	2.55	1N958B	MOT	2.95	1N1085A	ST	3.34	1N1085A
D	GE	1.73	1N540	GE	.68	1N726A	IR	1.40	1N959A	IR	1.40	1N1086A	ST	4.00	1N1086A
F	MOT	1.95	1N550	TI	1.05	1N746	TI	1.05	1N959A	IR	1.50	1N1088A	ST	5.35	1N1088A
WE	MOT	2.25	1N560	GE	1.50	1N746A	TI	1.05	1N959B	IR	1.75	1N1095	GE	.77	1N1095
B	RCA	2.06	1N588	TI	6.30	1N747	TI	1.05	1N959B	MOT	2.95	1N1096	GE	.96	1N1096
C	MOT	2.75	1N597	IR	6.00	1N747A	TI	1.05	1N960	IR	1.40	1N1108	ST	3.15	1N1108
D	MOT	3.00	1N599	GE	.47	1N748	TI	1.05	1N960A	IR	1.50	1N1109	ST	4.00	1N1109
F	SVL	.65	1N625	SVL	.43	1N748A	TI	1.05	1N960B	MOT	2.95	1N1110	ST	4.75	1N1110
WE	SVL	.65	1N626	SVL	.45	1N749	TI	1.05	1N961	IR	1.40	1N1111	ST	5.65	1N1111
B	TI	1.05	1N627	SVL	.60	1N749A	TI	1.05	1N961A	IR	1.50	1N1112	ST	6.50	1N1112
C	TI	1.13	1N628	SVL	.72	1N750	TI	1.05	1N961B	IR	1.75	1N1115	GE	1.05	1N1115
D	TI	1.13	1N629	SVL	.81	1N750A	TI	1.05	1N961B	MOT	2.95	1N1116	GE	1.12	1N1116
F	TI	1.58	1N643	TI	.98	1N751	TI	1.05	1N962	IR	1.40	1N1117	GE	1.43	1N1117
WE	TI	1.72	1N643A	SVL	1.50	1N751A	TI	1.05	1N962A	IR	1.50	1N1118	GE	1.70	1N1118
B	TI	1.16	1N645	TI	1.40	1N752	TI	1.05	1N962B	IR	1.75	1N1119	GE	1.83	1N1119
C	SVL	.32	1N645A	GE	1.65	1N752A	IR	1.40	1N963	IR	1.40	1N1120	GE	2.40	1N1120
D	SVL	.31	1N646	GE	1.60	1N753	TI	1.05	1N963A	IR	1.50				
F	SVL	.34	1N647	GE	1.80	1N753A	TI	1.05	1N963B	IR	1.75				

Type	Mfr.	EACH	Type	Mfr.	EACH	Type	Mfr.	EACH	Type	Mfr.	EACH	Type	Mfr.	EACH
1N1124	TI	2.10	1N1507A	IR	3.45	1N1616	RCA	5.36	1N2816	MOT	5.65	1N2999B	MOT	5.65
1N1124R	TI	2.10	1N1508	IR	2.75	1N1616R	RCA	5.36	1N2817	MOT	5.65	1N3000	MOT	5.65
1N1125	TI	2.55	1N1508A	IR	3.45	1N1621	ST	2.24	1N2818	MOT	5.65	1N3000A	MOT	5.65
1N1125A	TI	2.27	1N1509	IR	2.75	1N1622	ST	2.80	1N2820	MOT	5.65	1N3000B	MOT	5.65
1N1125R	TI	2.55	1N1509A	IR	3.45	1N1623	ST	3.45	1N2822	MOT	5.65	1N3001	MOT	5.65
1N1126	TI	3.90	1N1510	IR	2.75	1N1624	ST	4.24	1N2823	MOT	5.65	1N3001A	TI	5.65
1N1126A	GE	3.45	1N1510A	IR	3.45	1N1627	ST	5.49	1N2825	MOT	5.65	1N3001B	TI	5.65
1N1127	GE	4.43	1N1511	IR	2.75	1N1693	TI	.52	1N2830	MOT	5.65	1N3002	TI	5.65
1N1127A	TI	4.43	1N1511A	IR	3.45	1N1694	GE	.56	1N2838	MOT	5.65	1N3002A	TI	5.65
1N1128	TI	6.00	1N1512	IR	2.75	1N1695	TI	.67	1N2839	MOT	6.80	1N3002B	TI	5.65
1N1128A	GE	5.20	1N1512A	IR	3.45	1N1696	TI	.76	1N2846	MOT	6.80	1N3003	MOT	5.65
1N1128R	TI	6.00	1N1513	IR	2.75	1N1697	TI	.97	1N2854	RCA	.33	1N3003A	TI	5.65
1N1130	TI	5.70	1N1513A	IR	3.45	1N1730	GE	4.48	1N2859A	RCA	.36	1N3003B	MOT	5.65
1N1131	TI	5.70	1N1514	IR	2.75	1N1731	GE	6.30	1N2860A	RCA	.40	1N3004	TI	5.65
1N1183	MOT	1.95	1N1514A	IR	3.45	1N1732	GE	8.12	1N2861A	RCA	.41	1N3004A	TI	5.65
1N183A	RCA	2.15	1N1515	IR	2.75	1N1736	IR	6.52	1N2862A	RCA	.48	1N3004B	MOT	5.65
1N183RA	RCA	2.15	1N1515A	IR	3.45	1N1763A	RCA	.42	1N2863A	RCA	.68	1N3005	MOT	5.65
1N184	MOT	1.60	1N1516	IR	2.75	1N1764	RCA	.51	1N2864A	RCA	.69	1N3005A	TI	5.65
1N184A	RCA	2.48	1N1516A	IR	2.75	1N1765	GE	2.40	1N2939	GE	7.50	1N3005B	MOT	5.65
1N184RA	RCA	2.48	1N1517	IR	2.75	1N1766	GE	2.40	1N2940	GE	5.65	1N3006	MOT	5.65
1N185	MOT	2.90	1N1517A	IR	3.45	1N1767	GE	2.40	1N2941	GE	4.70	1N3006A	MOT	5.65
1N186	GE	3.45	1N1518	IR	2.70	1N1768	GE	2.40	1N2969	GE	5.25	1N3006B	MOT	5.65
1N186A	RCA	3.55	1N1518A	IR	3.50	1N1769	GE	3.00	1N2970	MOT	5.45	1N3007	MOT	5.65
1N186RA	RCA	3.55	1N1519	IR	2.70	1N1770	GE	3.00	1N2970B	MOT	7.30	1N3007A	TI	5.65
1N187	MOT	5.10	1N1519A	IR	3.50	1N1771	GE	3.00	1N2970B	MOT	7.30	1N3007B	MOT	5.65
1N187A	RCA	4.95	1N1520	IR	2.70	1N1772	GE	3.00	1N2971	MOT	5.45	1N3008	TI	5.65
1N188	GE	5.85	1N1520A	IR	3.50	1N1773	GE	3.00	1N2971A	TI	3.98	1N3008A	TI	5.65
1N188A'	RCA	6.19	1N1521	IR	2.70	1N1774	GE	3.00	1N2971B	MOT	7.30	1N3008B	MOT	5.65
1N188RA	RCA	6.19	1N1521A	IR	3.50	1N1775	GE	3.00	1N2972	TI	3.98	1N3009	TI	5.65
1N191	MOT	4.02	1N1522	IR	2.70	1N1776	GE	3.00	1N2972A	TI	3.98	1N3009A	TI	5.65
1N192	MOT	1.72	1N1522A	IR	3.50	1N1805	IR	5.45	1N2972B	MOT	7.30	1N3009B	MOT	5.65
1N193	MOT	2.10	1N1523	IR	2.70	1N1805A	IR	6.55	1N2973	TI	3.60	1N3010	MOT	5.65
1N194	MOT	2.90	1N1523A	IR	3.50	1N1806	IR	5.45	1N2973A	TI	3.98	1N3010A	TI	5.65
1N195	MOT	4.25	1N1524	IR	2.70	1N1806A	IR	6.55	1N2973B	MOT	7.30	1N3010B	MOT	5.65
1N195A	GE	4.02	1N1524A	IR	3.50	1N1807	IR	5.45	1N2974	MOT	5.45	1N3011	MOT	5.65
1N196	MOT	4.95	1N1525	IR	2.70	1N1807A	IR	6.55	1N2974A	TI	3.98	1N3011A	MOT	5.65
1N196A	RCA	4.95	1N1525A	IR	3.50	1N1808	IR	5.45	1N2974B	MOT	7.30	1N3011B	MOT	5.65
1N197	MOT	6.15	1N1526	IR	2.70	1N1808A	IR	6.55	1N2975	MOT	5.45	1N3012	TI	5.65
1N197A	RCA	5.94	1N1526A	IR	3.50	1N1816	TI	5.10	1N2975A	TI	3.98	1N3013	TI	5.65
1N198	MOT	7.50	1N1527	IR	2.70	1N1817	TI	5.10	1N2975B	MOT	7.30	1N3014	TI	5.65
1N198A	MOT	7.80	1N1527A	IR	3.50	1N1818	TI	5.10	1N2976	MOT	5.45	1N3015	MOT	5.65
1N198RA	RCA	7.71	1N1528	IR	2.70	1N1819	TI	5.10	1N2976A	TI	3.98	1N3016	TI	5.65
1N199	IR	1.25	1N1528A	IR	3.50	1N1820	TI	5.10	1N2976B	MOT	7.30	1N3016A	TI	5.65
1N199A	GE	1.25	1N1563	MOT	1.57	1N1821	TI	5.10	1N2977	MOT	5.45	1N3016B	MOT	5.65
1N199RA	RCA	1.24	1N1563A	MOT	1.80	1N1822	TI	5.10	1N2977A	TI	3.98	1N3017	TI	5.65
1N200	IR	1.40	1N1564	MOT	1.72	1N1823	TI	5.10	1N2977B	MOT	7.30	1N3017A	TI	5.65
1N200A	RCA	1.41	1N1565	MOT	2.02	1N1824	TI	5.10	1N2978	MOT	5.45	1N3017B	MOT	5.65
1N200RA	RCA	1.41	1N1565A	MOT	2.02	1N1825	TI	5.10	1N2978A	MOT	5.98	1N3018	TI	5.65
1N201	IR	1.80	1N1566	MOT	1.87	1N1826	TI	5.10	1N2978B	MOT	7.30	1N3018B	MOT	5.65
1N201A	GE	1.82	1N1566A	MOT	2.70	1N1827	TI	5.10	1N2979	MOT	5.45	1N3019	TI	5.65
1N202	ST	1.25	1N1567	MOT	2.30	1N1828	TI	5.10	1N2979B	MOT	7.30	1N3019A	TI	5.65
1N202A	GE	2.63	1N1567A	MOT	3.15	1N1829	TI	5.10	1N2980B	MOT	7.30	1N3019B	MOT	5.65
1N202RA	RCA	2.48	1N1568	MOT	3.60	1N1830	TI	5.10	1N2981	MOT	5.45	1N3020	MOT	5.65
1N203	IR	3.50	1N1568A	MOT	4.65	1N1831	TI	5.10	1N2981A	TI	3.98	1N3020A	MOT	5.65
1N203A	GE	3.60	1N1581	TI	1.10	1N1832	TI	5.10	1N2981B	TI	4.95	1N3020B	MOT	5.65
1N203RA	RCA	3.47	1N1582	TI	1.20	1N1833	TI	5.10	1N2982	MOT	5.45	1N3021	TI	5.65
1N204	IR	4.50	1N1583	TI	2.25	1N1834	TI	5.10	1N2982A	TI	3.98	1N3021A	TI	5.65
1N204A	GE	4.58	1N1584	TI	3.20	1N1835	TI	5.10	1N2982B	MOT	7.30	1N3021B	MOT	5.65
1N204RA	RCA	4.46	1N1585	TI	4.05	1N1836	TI	5.10	1N2983	TI	3.60	1N3022	MOT	5.65
1N205	IR	5.25	1N1588	IR	3.80	1N2008	TI	5.10	1N2983A	TI	3.98	1N3022A	TI	5.65
1N205A	GE	5.33	1N1589	IR	3.80	1N2009	TI	5.10	1N2983B	TI	4.95	1N3022B	MOT	5.65
1N206	IR	6.10	1N1590A	IR	4.55	1N2010	TI	5.10	1N2984	TI	3.60	1N3023	TI	5.65
1N206A	GE	6.38	1N1591	IR	3.80	1N2011	TI	5.10	1N2984A	TI	3.98	1N3023A	TI	5.65
1N206RA	RCA	6.19	1N1591A	IR	4.55	1N2012	TI	12.40	1N2984B	MOT	7.30	1N3023B	MOT	5.65
1N218	GE	7.42	1N1592	IR	3.80	1N2069	SVL	5.45	1N2985	SVL	5.45	1N3024	TI	5.65
1N313A	MOT	5.45	1N1592A	IR	4.55	1N2069A	SVL	.67	1N2985A	TI	3.98	1N3024A	TI	5.65
1N314A	MOT	5.45	1N1593	IR	3.80	1N2070	SVL	.71	1N2985B	MOT	7.30	1N3024B	MOT	5.65
1N315A	MOT	5.45	1N1593A	IR	4.55	1N2070A	SVL	.72	1N2986	MOT	5.45	1N3025	TI	5.65
1N316A	MOT	5.45	1N1594	IR	3.80	1N2071	SVL	.67	1N2986A	TI	3.98	1N3025A	TI	5.65
1N317A	MOT	5.45	1N1594A	IR	4.55	1N2072	SVL	.62	1N2986B	MOT	7.30	1N3025B	MOT	5.65
1N318A	MOT	5.45	1N1595	IR	3.80	1N2110A	IR	2.50	1N2987	MOT	5.45	1N3026	TI	5.65
1N319A	MOT	5.45	1N1595A	IR	4.55	1N2154	GE	2.39	1N2987B	TI	3.98	1N3026A	TI	5.65
1N320A	MOT	5.45	1N1596	IR	3.80	1N2156	GE	4.38	1N2988	MOT	5.45	1N3026B	MOT	5.65
1N321A	MOT	5.45	1N1596A	IR	4.55	1N2157	GE	5.25	1N2988A	TI	3.98	1N3027	TI	5.65
1N322A	MOT	5.45	1N1597	IR	3.80	1N2157R	GE	5.25	1N2989	MOT	5.45	1N3027A	TI	5.65
1N323A	MOT	5.45	1N1598	IR	3.80	1N2158	GE	5.92	1N2989A	TI	3.98	1N3027B	MOT	5.65
1N324A	MOT	5.45	1N1598A	IR	4.55	1N2159	GE	6.15	1N2990	MOT	5.45	1N3028	TI	5.65
1N325A	MOT	5.45	1N1599	IR	5.95	1N2159	GE	6.15	1N2990A	TI	3.98	1N3028A	MOT	5.65
1N326A	MOT	5.45	1N1599A	IR	8.00	1N2159R	GE	6.15	1N2990B	TI	3.98	1N3028B	MOT	5.65
1N327A	MOT	5.45	1N1600	IR	5.95	1N2160	GE	6.30	1N2990B	MOT	7.30	1N3029	TI	5.65
1N341	IR	1.15	1N1600A	IR	8.00	1N2326	RCA	.50	1N2991	MOT	5.45	1N3029A	TI	5.65
1N341A	GE	1.13	1N1601	IR	5.95	1N2389	ST	6.10	1N2991A	TI	3.98	1N3029B	MOT	5.65
1N342	IR	1.25	1N1601A	IR	8.00	1N2482	ST	.33	1N2992	TI	3.60	1N3030	TI	5.65
1N342A	GE	1.28	1N1602	IR	5.95	1N2483	ST	.35	1N2992A	TI	3.60	1N3030A	TI	5.65
1N343	ST	1.20	1N1602A	IR	8.00	1N2484	ST	.37	1N2992A	TI	3.98	1N3030B	MOT	5.65
1N343A	GE	1.64	1N1603	IR	5.95	1N2488	ST	.45	1N2992B	MOT	7.30	1N3031	TI	5.65
1N344	IR	2.20	1N1603A	IR	8.00	1N2500	TI	5.10	1N2993	MOT	5.45	1N3031A	TI	5.65
1N344A	GE	2.22	1N1604	IR	5.95	1N2612	GE	1.52	1N2993A	TI	3.98	1N3032	TI	5.65
1N345	IR	3.15	1N1604A	IR	8.00	1N2615	GE	7.47	1N2993B	MOT	7.30	1N3032A	TI	5.65
1N345A	GE	3.17	1N1605	IR	5.95	1N2620	MOT	4.10						

	Mfr. EACH	Type	Mfr. EACH	Type	Mfr. EACH	Type	Mfr. EACH	Type	Mfr. EACH
338A	TI 2.59	1N3573	GE 3.82	1N3810B	MOT 6.95	1N4151	GE .63	2N218	RCA 1.16
338B	MOT 3.70	1N3574	GE 5.50	1N3811B	MOT 6.95	1N4152	GE .67	2N220	RCA 1.52
339	TI 2.36	1N3580	MOT 4.90	1N3812B	MOT 6.95	1N4153	GE .95	2N241A	GE .98
339A	TI 2.59	1N3580A	MOT 5.20	1N3813B	MOT 6.95	1N4154	GE .37	2N251A	TI 2.25
339B	MOT 3.70	1N3580B	MOT 6.00	1N3814B	MOT 6.95	1N4156	GE .75	2N270	RCA .70
340	TI 2.36	1N3581	MOT 5.55	1N3815B	MOT 3.35	1N4157	1.04	2N271	MOT 2.25
340A	TI 2.59	1N3581A	MOT 6.45	1N3816B	MOT 8.35	1N4305	GE .53	2N278	MOT 2.80
340B	MOT 3.70	1N3581B	MOT 7.75	1N3817B	MOT 8.80	1N4306	GE 7.00	2N292	GE .83
341	TI 2.36	1N3582	MOT 8.95	1N3818B	MOT 8.80	1N4364	TI .45	2N293	GE .90
341A	TI 2.59	1N3582A	MOT 9.80	1N3819B	MOT 8.80	1N4365	TI .48	2N297A	MOT 1.60
341B	MOT 3.70	1N3600	GE 3.75	1N3820B	MOT 8.80	1N4366	TI .56	2N319	GE .44
342B	TI 2.36	1N3604	GE .82	1N3821A	MOT 2.65	1N4368	TI .72	2N320	GE .59
342C	TI 2.59	1N3605	GE .72	1N3822A	IR 2.00	1N4369	TI .90	2N322	GE .42
342B	MOT 3.70	1N3606	GE 1.00	1N3822A	MOT 2.65	1N4370A	MOT 2.70	2N323	GE .59
343	TI 2.36	1N3615	IR 1.38	1N3823	IR 2.00	1N4371A	MOT 2.70	2N324	GE .72
343A	TI 2.59	1N3616	IR 1.54	1N3823A	MOT 2.65	1N4372A	MOT 2.70	2N327A	TI 2.25
343B	TI 3.70	1N3617	IR 1.98	1N3823A	MOT 2.65	1N4374	GE 1.51	2N332	TI 4.65
343A	TI 2.36	1N3618	IR 3.03	1N3824A	MOT 2.65	1N4383	SVL .48	2N333	GE .65
344A	TI 2.59	1N3619	IR 4.10	1N3825	IR 2.00	1N4383	TI .67	2N334	TI 4.65
344B	MOT 3.70	1N3620	IR 4.90	1N3825A	MOT 2.65	1N4384	SVL .58	2N335	TI 4.96
345	TI 2.55	1N3621	IR 5.60	1N3826	IR 2.00	1N4384	TI .73	2N335A	TI 5.20
345B	MOT 4.65	1N3639	GE .57	1N3826A	MOT 2.65	1N4385	SVL .78	2N335B	GE 8.90
346	TI 2.55	1N3640	GE .72	1N3827A	MOT 2.65	1N4386	GE 1.51	2N336	TI 5.95
346A	TI 2.90	1N3641	GE 1.05	1N3827A	MOT 2.65	1N4446	GE .40	2N366A	GE 6.30
346B	MOT 4.65	1N3642	GE 1.46	1N3828	IR 2.00	1N4447	GE .58	2N337	TI 4.85
347	TI 2.55	1N3659	MOT .90	1N3828A	MOT 2.65	1N4448	GE .80	2N338	GE 5.50
347A	TI 2.80	1N3660	MOT .99	1N3829	IR 2.00	1N4449	GE .80	2N338A	GE 5.80
347B	MOT 4.65	1N3661	MOT 1.33	1N3829A	MOT 2.65	1N4450	GE 1.19	2N350A	MOT 1.65
348	TI 2.55	1N3662	MOT 1.48	1N3830A	MOT 2.65	1N4451	GE 1.28	2N370	RCA .80
348A	TI 2.80	1N3663	MOT 1.70	1N3847	RCA 4.95	1N4452	GE 1.64	2N372	RCA .80
348B	TI 4.65	1N3670	IR 7.70	1N3848	RCA 4.95	1N4454	GE 1.35	2N375	MOT 2.20
349	TI 2.55	1N3670A	GE 7.88	1N3850	RCA 4.95	1N4506	GE 5.10	2N376A	MOT 1.85
349A	TI 2.80	1N3671A	GE 9.50	1N3851	RCA 4.95	1N4507	GE 6.90	2N381	MOT .82
349B	MOT 4.65	1N3672	IR 8.78	1N3852	RCA 6.35	1N4508	GE 9.18	2N382	MOT 1.12
350	TI 2.55	1N3672A	GE 9.45	1N3853	RCA 4.95	1N4525	GE 6.45	2N383	MOT 1.42
350A	TI 2.80	1N3680B	MOT 4.90	1N3854	RCA 7.59	1N4531	GE .59	2N388	TI .50
350B	MOT 4.65	1N3681B	MOT 4.90	1N3855	RCA 8.17	1N4532	GE .78	2N388A	RCA .99
351	TI 2.55	1N3682B	MOT 4.90	1N3856	RCA 8.17	1N4533	GE .96	2N394A	GE .60
351A	TI 2.80	1N3683B	MOT 4.90	1N3857	RCA 8.58	1N4534	GE 1.20	2N395	TI .50
351B	MOT 4.65	1N3684B	MOT 4.90	1N3858	RCA 6.52	1N4536	GE .59	2N396	RCA .61
363	GE .67	1N3685B	MOT 4.90	1N3859	RCA 8.17	1N4585	SVL 1.20	2N396A	GE .62
364	GE .67	1N3686B	MOT 4.90	1N3861	RCA 8.19	1N4586	SVL 2.70	2N398	RCA .99
364B	IR 8.00	1N3687B	MOT 4.90	1N3862	RCA 8.67	1N4587	GE .66	2N398A	TI 1.08
364C	IR 7.00	1N3688B	MOT 4.90	1N3863	RCA 9.41	1N4720	MOT .73	2N398B	TI 1.24
368	RCA 6.35	1N3689B	MOT 4.90	1N3987	IR 8.25	1N4721	MOT .82	2N404	RCA .42
369	RCA 7.59	1N3690B	MOT 4.90	1N3988	IR 9.10	1N4722	MOT 1.12	2N404A	RCA .58
370	RCA 8.17	1N3691B	MOT 4.90	1N3996	MOT 5.65	1N4727	GE .40	2N405	RCA .37
373	SVL 5.60	1N3692B	MOT 4.90	1N3986A	MOT 7.70	1N4816	IR .25	2N406	RCA .33
374	GE 4.70	1N3693B	MOT 4.90	1N3997	MOT 5.65	1N4817	IR .30	2N407	RCA .42
375	MOT 2.60	1N3694B	MOT 4.90	1N3997A	MOT 7.70	1N4818	IR .35	2N408	RCA .38
375A	MOT 3.60	1N3695B	MOT 4.90	1N3998	MOT 5.65	1N4819	IR .40	2N409	RCA .43
375B	MOT 3.55	1N3696B	MOT 4.90	1N3998A	MOT 7.70	1N4820	IR .44	2N410	RCA .40
378	RCA .35	1N3712	GE 3.30	1N3999	MOT 5.65	1N4821	IR .48	2N412	RCA .43
393	RCA .38	1N3713	GE 5.00	1N3999A	MOT 7.70	1N4822	IR .55	2N413	GE .42
395	RCA .53	1N3714	GE 2.90	1N4000A	MOT 7.70	1N4829	GE .69	2N414	RCA .42
395A	RCA .74	1N3715	GE 4.60	1N4001	MOT .45	1N4830	GE .93	2N428	TI 1.23
396	MOT .27	1N3716	GE 2.25	1N4002	MOT .49	1N4863	GE .66	2N441	MOT 1.85
399	MOT 1.42	1N3717	GE 3.90	1N4003	MOT .60	1N4951	GE .42	2N442	MOT 1.95
210	MOT 1.95	1N3718	GE 2.25	1N4004	MOT .67	1N4952	GE .48	2N443	MOT 1.90
211	MOT 2.60	1N3719	GE 3.90	1N4005	MOT .81	1N4997	MOT .55	2N450	GE 2.10
212	MOT 2.90	1N3720	GE 1.60	1N4006	MOT 1.12	1N4998	MOT .60	2N456A	TI 1.80
213	MOT 5.40	1N3721	3.90	1N4007	MOT 1.87	1N4999	GE .67	2N456B	TI 1.80
214	RCA .67	1N3754	RCA 3.32	1N4009	GE .42	1N5000	MOT .97	2N457A	TI 2.18
253	RCA .38	1N3755	RCA .33	1N4090	GE 3.35	1N5052	IR .78	2N457B	TI 2.18
254	RCA .41	1N3756	RCA .35	1N4099	MOT 5.05	1N5053	IR .94	2N458A	TI 2.63
255	RCA .56	1N3775	TI 5.85	1N4100	MOT 5.05	1N5054	IR 1.28	2N458B	TI 2.63
256	RCA .78	1N3785	MOT 3.75	1N4101	MOT 5.05	1N5059	GE .46	2N464	MOT 1.50
282	MOT 2.45	1N3785B	MOT 6.95	1N4102	MOT 5.05	1N5060	GE .56	2N465	MOT 1.50
283	MOT 3.05	1N3786	MOT 3.75	1N4103	MOT 5.05	1N5061	GE .75	2N466	MOT 1.65
284	MOT 7.95	1N3786B	MOT 6.95	1N4104	MOT 5.05	1N5062	GE 1.12	2N467	MOT 2.10
285	MOT 10.05	1N3787B	MOT 6.95	1N4105	MOT 5.05	1N5225B	MOT 1.05	2N489	GE 7.10
305	MOT 5.65	1N3788B	MOT 6.95	1N4106	MOT 5.05	1N5226B	MOT 1.05	2N489B	GE 9.15
306	IR 5.50	1N3789	MOT 3.75	1N4107	MOT 5.05	1N5227B	MOT 1.05	2N490	GE 7.80
307	IR 5.50	1N3789B	MOT 6.95	1N4108	MOT 5.05	1N5228B	MOT 1.05	2N491	GE 8.40
309	IR 5.50	1N3790B	MOT 6.95	1N4109	MOT 5.05	1N5229B	MOT 1.05	2N492	GE 9.90
310	IR 5.50	1N3791	MOT 3.75	1N4110	MOT 5.05	1N5231B	MOT 1.05	2N501	SPR 6.35
313	IR 5.50	1N3791B	MOT 6.95	1N4111	MOT 5.05	1N5232B	MOT 1.05	2N502	SPR 2.90
314	IR 5.50	1N3792B	MOT 6.95	1N4112	MOT 5.05	1N5235B	MOT 1.05	2N508	GE .69
317	IR 5.50	1N3793	MOT 3.75	1N4113	MOT 5.05	1N5237B	MOT 1.05	2N508A	GE .81
321	IR 5.50	1N3793B	MOT 6.95	1N4114	MOT 5.05	1N5240B	MOT 1.05	2N511	TI 4.05
323	IR 5.50	1N3794B	MOT 6.95	1N4115	MOT 5.05	1N5243B	MOT 1.05	2N511A	TI 4.75
324	IR 5.50	1N3795	MOT 3.75	1N4116	MOT 5.05	1N5244B	MOT 1.05	2N524	GE .59
326	IR 5.50	1N3795B	MOT 6.95	1N4117	MOT 5.05	1N5254B	MOT 1.27	2N525	GE .80
327	IR 5.50	1N3796	MOT 3.75	1N4118	MOT 5.05	2N43	GE 4.13	2N526	GE 1.00
331	IR 5.50	1N3796B	MOT 6.95	1N4119	MOT 5.05	2N44A	GE 2.95	2N527	GE 1.00
332	IR 5.50	1N3797	MOT 3.75	1N4120	MOT 5.05	2N78	GE 2.49	2N554	MOT .60
334	IR 5.50	1N3797B	MOT 6.95	1N4121	MOT 5.05	2N104	GE 1.65	2N555	MOT .75
336	MOT 6.80	1N3798	MOT 3.75	1N4122	MOT 5.05	2N107	GE .75	2N581	RCA .50
343	MOT 6.80	1N3798B	MOT 6.95	1N4123	MOT 5.05	2N109	RCA .60	2N582	RCA .91
344	MOT 6.80	1N3799	MOT 3.75	1N4124	MOT 5.05	2N140	1.24	2N585	RCA .99
346	MOT 6.80	1N3799B	MOT 6.95	1N4125	MOT 5.05	2N169	GE 1.59	2N586	RCA 1.73
348	MOT 6.80	1N3800	MOT 3.75	1N4126	MOT 5.05	2N169A	GE 2.42	2N588	SPR 1.45
350A	MOT 6.80	1N3800B	MOT 6.95	1N4127	MOT 5.05	2N173	GE 1.02	2N591	RCA .45
350B	MOT 6.80	1N3801	MOT 3.75	1N4128	MOT 5.05	2N173	MOT 3.60	2N591B	MOT 2.45
391	MOT .67	1N3802	MOT 3.75	1N4129	MOT 5.05	2N174	MOT 3.60	2N647	RCA 1.08
492	MOT .76	1N3802B	MOT 6.95	1N4130	MOT 5.05	2N174A	MOT 3.80	2N649	RCA .86
493	MOT 1.11	1N3803B	MOT 6.95	1N4131	MOT 5.05	2N176	MOT 1.20	2N650	MOT 1.65
494	MOT 1.27	1N3804B	MOT 6.95	1N4132	MOT 5.05	2N178	MOT 1.10	2N651	MOT 1.65
495	MOT 1.48	1N3805B	MOT 6.95	1N4133	MOT 5.05	2N188A	GE 1.65	2N652	MOT 2.17
563	RCA .71	1N3806	MOT 3.75	1N4134	MOT 5.05	2N188	GE .78		
570	GE 1.34	1N3806B	MOT 6.95	1N4135	MOT 5.05	2N190	GE .83		
571	GE 1.62	1N3807B	MOT 6.95	1N4148	GE .35	2N191	GE .90		
572	GE 2.10	1N3808B	MOT 6.95	1N4149	GE .56	2N192	GE 1.59		
571	GE 2.35	1N3809B	MOT 6.95	1N4150	GE 2.10	2N217	RCA .52		

Type	Mfr.	EACH	Type	Mfr.	EACH	Type	Mfr.	EACH	Type	Mfr.	EACH	Type	Mfr.	EACH
2N652A	TI	2.25	2N183B	RCA	2.89	2N6194	GE	.99	2N2614	RCA	.50	2N3856	GE	
2N651	MOT	1.65	2N184	RCA	2.48	2N1700	RCA	1.90	2N2635	TI	.94	2N3856A	GE	
2N655	TI	2.25	2N184A	RCA	2.81	2N1691	RCA	2.31	2N2646	GE	1.05	2N3858	GE	
2N656	TI	2.03	2N184B	RCA	4.13	2N1702	RCA	4.54	2N2647	GE	3.00	2N3858A	GE	
2N657	TI	2.20	2N188	MOT	3.15	2N1711	RCA	.99	2N2659	TI	1.80	2N3859	GE	
2N669	MOT	1.42	2N191	MOT	1.12	2N1715	TI	8.25	2N2687	TI	2.25	2N3859A	GE	
2N682	MOT	4.10	2N192	MOT	1.12	2N1718	TI	6.75	2N2688	TI	2.50	2N3860	GE	
2N696	TI	.52	2N193	MOT	1.50	2N1720	SPR	2.93	2N2708	RCA	3.71	2N3861	GE	
2N697	TI	.52	2N194	MOT	1.65	2N1742	SPR	2.93	2N2708	RCA	3.71	2N3877A	GE	
2N698	TI	1.57	2N195	MOT	3.95	2N1743	SPR	2.87	2N2708	RCA	3.71	2N3900	GE	
2N699	RCA	1.44	2N204	MOT	1.65	2N1744	SPR	2.25	2N2711	GE	.45	2N3900A	GE	
2N700	MOT	7.35	2N273	TI	.42	2N1745	SPR	1.80	2N2712	GE	.48	2N3973	GE	
2N705	MOT	1.80	2N174	TI	.50	2N1745A	SPR	1.15	2N2713	GE	.51	2N3974	GE	
2N706	99	2.32	2N175	RCA	1.32	2N1754	SPR	1.35	2N2714	GE	.53	2N3975	GE	
2N706A	TI	1.19	2N176	RCA	1.49	2N1770	TI	4.05	2N2801	MOT	7.10	2N3976	GE	
2N706B	TI	1.49	2N302	TI	.45	2N1771	TI	4.65	2N2832	MOT	4.50	2N4036	RCA	
2N708	GE	1.63	2N303	TI	.45	2N1771A	GE	7.00	2N2840	GE	6.35	2N4037	RCA	
2N709	RCA	1.65	2N304	TI	.53	2N1772	GE	5.77	2N2861	TI	8.50	2N4054	GE	
2N711	MOT	1.12	2N305	TI	.52	2N1773	GE	6.97	2N2865	TI	3.45	2N4055	GE	
2N711A	TI	.89	2N306	TI	.74	2N1808	TI	.58	2N2868	GE	1.68	2N4056	GE	
2N711B	TI	.94	2N307	TI	.66	2N1893	RCA	1.16	2N2869/2N301A	RCA	1.52	2N4057	GE	
2N717	GE	.93	2N308	TI	1.08	2N1905	RCA	4.13	2N2870/2N301A	RCA	3.15	2N4058	TI	
2N718	TI	.46	2N309	TI	1.07	2N1906	RCA	6.60	2N2895	RCA	1.41	2N4059	TI	
2N718A	TI	.78	2N310	TI	4.50	2N1907	TI	7.90	2N2897	RCA	1.16	2N4060	TI	
2N721	TI	5.67	2N311	TI	1.77	2N1914	TI	1.35	2N2901	TI	1.35	2N4061	TI	
2N726	TI	3.00	2N358	MOT	4.15	2N1925	GE	1.56	2N2904A	MOT	10.50	2N4062	TI	
2N730	TI	.99	2N360	MOT	1.70	2N1926	GE	1.82	2N2905	MOT	1.90	2N4254	TI	
2N741	MOT	2.18	2N363	MOT	3.10	2N1930	GE	7.65	2N2906	MOT	1.90	2N4259	RCA	
2N741A	MOT	3.30	2N370	TI	.72	2N1970	MOT	2.35	2N2907	MOT	1.90	2N4296	RCA	
2N744	TI	2.90	2N371	TI	1.11	2N1991	MOT	3.95	2N2923	GE	.48	2N4297	RCA	
2N753	TI	1.97	2N372	TI	.81	2N1994	TI	2.32	2N2924	GE	.53	2N4298	RCA	
2N769	SPR	6.75	2N373	MOT	1.27	2N1997	TI	1.77	2N2925	GE	.60	2N4299	RCA	
2N779A	SPR	3.50	2N374	TI	1.02	2N1998	TI	1.88	2N2951	MOT	4.50	2N4390	RCA	
2N797	TI	4.27	2N375	TI	1.38	2N2000	TI	2.50	2N2996	TI	1.48	2N4400	MOT	
2N834	MOT	2.00	2N376	TI	1.29	2N2001	TI	2.17	2N2997	TI	3.38	2N4401	MOT	
2N835	MOT	1.50	2N377	TI	1.50	2N2015	RCA	9.08	2N3053	RCA	.83	2N4402	MOT	
2N859	SPR	9.55	2N378	TI	1.29	2N2016	RCA	9.30	2N3054	RCA	3.61	2N4403	MOT	
2N861	SPR	6.00	2N379	TI	1.44	2N2048	SPR	1.80	2N3055	RCA	2.48	2N4409	MOT	
2N863	SPR	4.50	2N1380	TI	.66	2N2049	GE	9.45	2N3118	RCA	4.95	2N4410	MOT	
2N910	GE	2.37	2N1381	TI	.72	2N2076	MOT	3.60	2N3119	RCA	5.36	2N4418	TI	
2N914	GE	.95	2N1382	TI	.99	2N2077	MOT	2.85	2N3133	MOT	4.95	2N4420	TI	
2N916	GE	3.65	2N1383	TI	.92	2N2078	MOT	1.90	2N3134	MOT	5.85	2N4421	TI	
2N917	GE	2.45	2N1384	TI	.58	2N2079	MOT	7.20	2N3135	MOT	4.95	2N4422	TI	
2N918	TI	5.25	2N1413	GE	.69	2N2080	MOT	5.10	2N3136	MOT	5.85	2N4423	TI	
2N929	TI	3.60	2N1414	GE	.69	2N2081	MOT	3.15	2N3146	TI	4.60	2N4441	MOT	
2N930	TI	3.87	2N1415	GE	.80	2N2102	RCA	1.24	2N3228	RCA	1.62	2N4442	MOT	
2N956	TI	.85	2N1420	TI	.65	2N2107	GE	2.09	2N3241A	RCA	.73	2N4443	MOT	
2N960	TI	.96	2N1479	RCA	2.15	2N2107	GE	2.10	2N3242A	RCA	.83	2N4444	MOT	
2N961	91	2N1480	RCA	2.31	2N2139	MOT	3.25	2N3243	RCA	3.90	2N4470	MOT		
2N962	TI	.86	2N1481	RCA	2.48	2N2140	MOT	3.90	2N3250	MOT	3.90	2N4487	MOT	
2N963	TI	.83	2N1482	RCA	3.30	2N2142	MOT	2.30	2N3251	MOT	4.65	2N4890	MOT	
2N964	TI	.99	2N1483	RCA	2.89	2N2143	MOT	2.45	2N3283	MOT	1.50	2N4987	GE	
2N965	TI	.94	2N1484	RCA	3.63	2N2144	MOT	3.75	2N3286	MOT	1.12	2N4988	GE	
2N966	TI	.89	2N1485	RCA	4.46	2N2145	MOT	4.50	2N3323	MOT	.90	2N4989	GE	
2N967	TI	.87	2N1486	RCA	5.77	2N2147	RCA	5.27	2N3324	MOT	.82	2N4990	GE	
2N968	MOT	1.53	2N1487	RCA	4.54	2N2148	RCA	1.07	2N3325	MOT	.75	2N4991	GE	
2N969	TI	.84	2N1488	RCA	4.95	2N2152	MOT	3.60	2N3391	GE	.65	2N4992	GE	
2N970	TI	.81	2N1489	RCA	7.43	2N2153	MOT	5.55	2N3391A	GE	.75	2N5060	GE	
2N971	TI	.80	2N1490	RCA	8.25	2N2156	MOT	4.10	2N3392	GE	.53	2N5061	GE	
2N972	TI	.93	2N1491	RCA	1.82	2N2157	MOT	6.35	2N3393	GE	.45	2N5062	GE	
2N973	TI	.89	2N1493	RCA	7.01	2N2160	GE	1.49	2N3394	GE	.42	2N5063	GE	
2N974	MOT	.94	2N1495	MOT	2.17	2N2188	TI	1.27	2N3402	GE	.75	3N81	GE	
2N975	TI	.81	2N1499A	SPR	1.40	2N2189	TI	1.64	2N3403	GE	.80	3N83	GE	
2N976	SPR	4.35	2N1499B	SPR	1.55	2N2190	TI	1.47	2N3404	GE	.80	3N84	GE	
2N995	MOT	5.85	2N1500	SPR	6.95	2N2191	TI	1.85	2N3405	GE	.91	3N85	GE	
2N1010	RCA	2.89	2N1507	TI	1.20	2N2196	GE	4.50	2N3414	GE	.45	4M2.4A25	MOT	
2N1011	TI	1.95	2N1524	RCA	.40	2N2217	GE	4.22	2N3415	GE	.51	4M2.2A25	MOT	
2N1021	TI	3.55	2N1525	RCA	.43	2N2217	MOT	3.35	2N3416	GE	.65	4M3.0A25	MOT	
2N1022	TI	4.15	2N1526	RCA	.41	2N2218MLI	MOT	3.50	2N3417	GE	.74	4M3.6A25	MOT	
2N1022A	TI	4.15	2N1530	MOT	1.60	2N2219	MOT	1.07	2N3439	RCA	3.71	4M3.9A25	MOT	
2N1038	TI	2.85	2N1532	MOT	3.00	2N2219A	MOT	6.00	2N3440	RCA	1.82	4M4.7A25	MOT	
2N1039	TI	3.75	2N1533	MOT	1.40	2N2220	TI	1.07	2N3441	RCA	1.63	4M5.1A25	MOT	
2N1040	TI	5.70	2N1535	MOT	1.50	2N2222	MOT	1.07	2N3443	RCA	4.37	4M5.5A25	MOT	
2N1041	TI	7.50	2N1537	MOT	3.90	2N2270	RCA	.99	2N3605	GE	.58	4M6.2A25	MOT	
2N1042	TI	4.50	2N1539	MOT	1.50	2N2280	SPR	.45	2N3606	GE	.45	4M6.8Z5	MOT	
2N1043	TI	5.85	2N1540	MOT	1.58	2N2322	GE	3.00	2N3607	GE	.40	4M10Z5	MOT	
2N1046	TI	8.25	2N1541	MOT	1.85	2N2322A	GE	3.60	2N3662	GE	.75	4M12Z5	MOT	
2N1086	TI	1.11	2N1542	MOT	2.35	2N2323	GE	3.30	2N3663	GE	.80	4M12Z5	MOT	
2N1086A	GE	1.59	2N1544	MOT	1.65	2N2323A	GE	4.00	2N3669	RCA	3.27	4M14Z5	IR	
2N1087	GE	1.83	2N1545	MOT	1.85	2N2324	GE	5.40	2N3702	TI	.45	12M3.3T5	IR	
2N1090	RCA	1.21	2N1546	MOT	2.30	2N2325	GE	7.95	2N3703	TI	.39	12M3.6T5	IR	
2N1091	RCA	1.52	2N1547	MOT	2.75	2N2360	SPR	2.40	2N3704	TI	.60	12M3.9T5	IR	
2N1097	GE	.57	2N1553	MOT	1.85	2N2362	SPR	2.10	2N3705	TI	.57	12M4.3T5	IR	
2N1098	GE	.23	2N1554	MOT	2.30	2N2363	SPR	2.40	2N3706	TI	.52	12M4.7T5	IR	
2N1099	MOT	3.90	2N1555	MOT	2.75	2N2382	MOT	5.15	2N3707	TI	.60	12M5.1T5	IR	
2N1100	MOT	4.50	2N1556	MOT	4.00	2N2386	TI	6.75	2N3708	TI	.45	12M5.6T5	IR	
2N1131	TI	5.60	2N1557	MOT	2.15	2N2398	SPR	3.45	2N3709	TI	.48	12M6.2T5	IR	
2N1132	TI	5.60	2N1558	MOT	2.80	2N2402	SPR	2.25	2N3710	TI	.49	12M6.8T5	IR	
2N1143	TI	3.34	2N1559	MOT	4.45	2N2403	SPR	1.82	2N3711	TI	.54	12M7.5T5	IR	
2N1162	MOT	4.45	2N1595	TI	3.06	2N2410	TI	4.50	2N3721	GE	.39	12M8.5T5	IR	
2N1163	MOT	4.45	2N1596	TI	4.50	2N2411	TI	3.15	2N3819	TI	.90	12M9.1T5	IR	
2N1165	MOT	6.35	2N1597	TI	9.35	2N2412	TI	6.00	2N3820	TI	2.95	12M10T5	IR	
2N1166	MOT	7.55	2N1605	TI	.72	2N2475	RCA	2.56	2N3825	TI	.58	12M11T5	IR	
2N1167	MOT	7.55	2N1605A	RCA	1.09	2N2476	RCA	1.65	2N3826	TI	.54	12M12T5	IR	
2N1175	TI	.93	2N1610	GE	.79	2N2501	TI	4.70	2N3827	TI	.54	12M13T5	IR	
2N1175A	GE	1.35	2N1											

Mfr. EACH	Type	Mfr. EACH	Type	Mfr. EACH	Type	Mfr. EACH	Type	Mfr. EACH	Type
IR	1.70 C106A1	GE	1.13 HEP159	MOT	.92 MP85660	MOT	.75 TI-53	TI	.45
GE	.60 C106A2	GE	1.13 HEP160	MOT	1.45 MP85661	MOT	.69 TI-54	TI	.50
GE	.60 C106A3	GE	1.13 HEP161	MOT	1.09 MP85664	MOT	.75 TI-55	TI	.57
GE	.60 C106A4	GE	1.13 HEP162	MOT	1.25 MP85656	MOT	.52 TI-56	TI	.65
IR	.59 C106B1	GE	1.28 HEP175	MOT	1.49 MP85666	MOT	.57 TI-57	TI	.73
IR	.67 C106B2	GE	1.28 HEP176	MOT	2.05 MP85667	MOT	1.00 TI-58	TI	.81
IR	.80 C106B3	GE	1.28 HEP177	MOT	2.25 MP85669	MOT	1.12 TI-59	TI	.86
IR	.80 C106B4	GE	1.28 HEP200	MOT	.82 MPT28	MOT	.96 TI-60	TI	.96
IR	.78 C106F1	GE	1.05 HEP230	MOT	.89 MPT32	MOT	.68 TI-400	TI	.92
IR	2.45 C106F2	GE	1.05 HEP231	MOT	1.69 MPT32	MOT	.68 TI-401	TI	.92
IR	2.30 C106F3	GE	1.05 HEP232	MOT	2.34 MPT32	MOT	.68 TI-407	TI	.59
IR	2.10 C106F4	GE	1.05 HEP233	MOT	4.20 MR322	MOT	.67 TI-408	TI	.57
IR	2.30 C106G1	GE	1.23 HEP235	MOT	.79 MR322R	MOT	.67 TI-409	TI	.54
IR	2.60 C106G2	GE	1.23 HEP236	MOT	.89 MR323	MOT	.76 TI-480	TI	1.55
IR	2.38 C106G3	GE	1.23 HEP252	MOT	.89 MR323R	MOT	.76 TI-481	TI	1.90
IR	2.90 C106G4	GE	1.23 HEP253	MOT	1.59 MR324	MOT	1.11 TI-482	TI	2.15
IR	5.12 C106Y1	GE	.90 HEP254	MOT	1.49 MR324R	MOT	1.11 TI-483	TI	2.40
ST	6.90 C106Y2	GE	.90 HEP300	MOT	2.29 MR325	MOT	1.27 TI-484	TI	2.95
ST	.80 C106Y3	GE	.90 HEP302	MOT	2.69 MR326	MOT	1.48 TI-486	TI	4.90
ST	.80 C106Y4	GE	.90 HEP304	MOT	4.35 MR326R	MOT	1.48 TI-487	TI	5.60
ST	.85 C611B	GE	2.60 HEP305	MOT	4.60 MR327	MOT	2.40 TI-492	TI	1.55
IR	2.95 CR103	RCA	8.15 HEP306	MOT	5.90 MR328	MOT	3.35 TI-493	TI	1.90
ST	.62 CR104	RCA	9.60 HEP307	MOT	6.20 MR330	MOT	6.75 TI-494	TI	2.50
TI	4.85 CR105	RCA	10.55 HEP310	MOT	4.19 MR331	MOT	9.75 TI-495	TI	3.00
TI	4.85 CR201	RCA	3.10 HEP553	MOT	1.40 MR1033B	MOT	.93 TI-496	TI	1.75
TI	4.85 CR203	RCA	4.80 HEP554	MOT	1.69 MR1120	MOT	1.03 TIA01	TI	.47
TI	4.85 CR204	RCA	5.75 HEP556	MOT	2.99 MR1337-1	MOT	3.31 TIA02	TI	.54
RCA	.83 CR208	RCA	8.40 HEP558	MOT	5.99 MR1337-2	MOT	4.95 TIA03	TI	.35
RCA	.99 CR210	RCA	10.10 HEP801	MOT	3.39 MR1337-3	MOT	6.75 TIA05	TI	.32
RCA	.99 D7A31	GE	1.08 M1B	IR	1.72 MR1337-4	MOT	9.00 TIPI4	TI	1.50
RCA	.99 D7A32	GE	2.25 M1B	IR	.56 MR2261	MOT	.19 TIP28	TI	1.20
RCA	.99 D12A8	GE	5.65 MDA920-4	MOT	2.30 MR2262	MOT	.25 TIP29	TI	1.35
RCA	1.16 D13P1	GE	.84 MDA942-1	MOT	2.15 MR2264	MOT	.37 TIS37	TI	.88
RCA	1.57 D13Q1	GE	.84 MDA942-2	MOT	2.40 MR2265	MOT	.54 TIS38	TI	.83
RCA	.99 DD170	IR	1.95 MDA942-3	MOT	2.65 MR2266	MOT	1.08 TIS42	TI	4.95
RCA	.47 DD175	IR	.99 MDA942-5	MOT	3.10 MR2272	MOT	.57 TIS43	TI	1.08
RCA	.53 DD176	IR	.59 MDA952-1	MOT	3.25 MR2273	MOT	.48 TIS44	TI	.49
RCA	.60 DD177	IR	.59 MDA952-2	MOT	3.50 MS-1	MOT	2.10 TIS45	TI	.63
RCA	.42 DD178	IR	.59 MDA952-3	MOT	4.45 MS-1	MOT	2.10 TIS46	TI	.63
RCA	.79 E150L	IR	.74 MJ400	MOT	1.65 MV1620	MOT	1.42 TIS47	TI	.60
RCA	.64 E300L	IR	1.10 MJ420	MOT	1.80 MV1622	MOT	1.42 TIS48	TI	.60
RCA	.63 E500L	IR	1.22 MJ421	MOT	1.85 MV1624	MOT	1.42 TIS49	TI	.75
RCA	.61 E650L	IR	2.08 MJ440	MOT	1.55 MV1626	MOT	1.42 TIS51	TI	.63
RCA	.74 F-6	ST	.52 MJ251	MOT	1.87 MV1630	MOT	1.42 TIS52	TI	.65
RCA	.63 F16H1	GE	.96 MJ252	MOT	2.02 MV1632	MOT	1.42 TIS53	TI	.60
RCA	.61 FA8	ST	1.60 MJ3101	MOT	1.95 MV1634	MOT	1.42 TIS54	TI	.67
RCA	1.24 G129	TI	1.00 MJ3201	MOT	1.72 MV1634	MOT	1.42 TIS55	TI	.67
RCA	.53 G130	TI	1.00 MJ3202	MOT	1.87 MV1636	MOT	1.42 TIS60	TI	.70
RCA	.78 G222	TI	.75 MJ4101	MOT	1.57 MV1638	MOT	1.42 TIS61	TI	.57
RCA	.43 G296	TI	.85 MK-10	MOT	.23 MV1640	MOT	1.42 TIXM01	TI	.92
RCA	.40 GE-1	GE	1.20 MK-15	MOT	.23 MV1642	MOT	1.42 TIXM02	TI	.92
RCA	.40 GE-2	GE	1.02 MK-20	MOT	.35 MV1644	MOT	1.42 TIXM03	TI	.92
RCA	.35 GE-3	GE	2.34 MM380	MOT	1.26 MV1646	MOT	1.42 TIXM04	TI	.92
RCA	.29 GE-4	GE	4.44 MM1139	MOT	1.39 MV1650	MOT	1.42 V56E	TRW	3.05
RCA	.33 GE-5	GE	1.68 MP500	MOT	5.70 Q1B	IR	.55 24XL6.2	GE	.75
RCA	.70 GE-6	GE	1.83 MP504	MOT	6.60 Q1H	IR	.38 24XL16.2B	GE	.84
RCA	.73 GE-7	GE	1.77 MP505	MOT	10.20 Q1B	IR	.56 24XL17.5B	GE	.84
RCA	.70 GE-8	GE	1.29 MP505A	MOT	12.75 RA1	GE	.75 24XL19.1	GE	.75
RCA	.75 GE-9	GE	1.26 MPF102	MOT	.90 RA1A	GE	.75 24XL19.1B	GE	.84
RCA	.78 GE-10	GE	1.20 MPF103	MOT	1.00 RA2	GE	.75 24XL12	GE	.75
RCA	.70 GE-11	GE	1.53 MPF104	MOT	1.00 SC40B	GE	3.03 24XL12B	GE	.84
RCA	.70 GE-504A	GE	.62 MPF105	MOT	1.00 SC41B	GE	2.58 24XL20	GE	.75
RCA	.78 GEM-100	GE	1.20 MP82369	MOT	.53 SC43B	GE	3.93 24XL21	GE	.84
RCA	.34 GE-X1	GE	2.30 MPF106	MOT	.40 SC46B	GE	2.48 24XL22B	GE	.84
RCA	.66 GE-X2A	GE	2.80 MP82712	MOT	.43 SD-94A	IR	.96 MC808P	RCA	2.40
RCA	2.31 GE-X3	GE	4.00 MP82715	MOT	.57 SD-95A	IR	1.06 MC8015	RCA	2.40
RCA	.38 GE-X4	GE	1.60 MP82716	MOT	.60 SK-3003	RCA	1.65 MC816P	RCA	2.80
RCA	.83 GE-X5	GE	2.30 MP82926	MOT	.40 SK-3004	RCA	1.65 MC817P	RCA	3.40
RCA	.60 GE-X6	GE	1.40 MP83392	MOT	.51 SK-3005	RCA	1.95 MC826P	RCA	3.15
IR	1.22 GE-X7	GE	.80 MP83393	MOT	.40 SK-3006	RCA	2.10 MC818P	RCA	2.95
IR	.43 GE-X9	GE	.70 MP83394	MOT	.39 SK-3007	RCA	2.10 MC8028	RCA	1.55
GE	.195 GE-X10	GE	1.35 MP83395	MOT	.58 SK-3008	RCA	2.05 MC816P	RCA	1.55
GE	.42 GE-X11	GE	1.80 MP83396	MOT	.54 SK-3009	RCA	3.90 MC817P	RCA	1.55
GE	.37 GE-X12	GE	4.50 MP83397	MOT	.48 SK-3010	RCA	2.10 MC818P	RCA	1.55
GE	1.77 GE-X13	GE	1.60 MP83398	MOT	.57 SK-3011	RCA	2.70 MC819P	RCA	1.55
GE	.82 GE-X14	GE	1.15 MP83702	MOT	.45 SK-3012	RCA	7.30 MC822P	RCA	1.55
GE	2.90 GE-X15	GE	3.45 MP83703	MOT	.49 SK-3013	RCA	1.80 MC824P	RCA	1.55
GE	1.73 GE-X16	GE	3.45 MP83704	MOT	.61 SK-3014	RCA	5.25 MC825P	RCA	1.55
MOT	1.95 GE-X17	GE	1.59 MP83705	MOT	.57 SK-3015	RCA	10.50 MC826P	RCA	1.55
MOT	2.17 GE-X18	GE	2.13 MP83706	MOT	.52 SK-3016	RCA	.80 MC827P	RCA	1.55
IR	1.28 H11	TI	4.00 MP83707	MOT	.60 SK-3017A	RCA	.85 MC828P	RCA	1.55
IR	.40 H35	TI	5.00 MP83708	MOT	.48 SK-3018	RCA	2.25 MC829P	RCA	1.55
IR	5.00 H38	TI	4.00 MP83709	MOT	.45 SK-3019	RCA	2.45 MC830P	RCA	1.55
IR	1.46 HEP1	MOT	.89 MP83710	MOT	.49 SK-3020	RCA	1.95 MC831P	RCA	1.55
IR	.42 HEP2	MOT	1.25 MP83711	MOT	.54 SK-3021	RCA	2.85 MC832P	RCA	1.55
GE	2.07 HEP3	MOT	1.25 MP83826	MOT	.54 SK-3022	RCA	6.60 MC833P	RCA	1.55
GE	1.65 HEP50	MOT	.79 MP83827	MOT	.58 SK-3023	RCA	6.60 MC834P	RCA	1.55
GE	1.57 HEP51	MOT	1.29 MP86511	MOT	1.05 ST-2	GE	.02 MC835P	RCA	1.55
GE	1.75 HEP52	MOT	1.35 MP86512	MOT	.67 ST-2	IR	5.95 MC836P	RCA	1.55
GE	6.75 HEP53	MOT	1.15 MP86519	MOT	.75 TD-9	GE	4.00 MC837P	RCA	1.55
GE	9.75 HEP54	MOT	1.08 MP86522	MOT	.90 TD-253B	GE	12.00 MC838P	RCA	1.55
GE	1.98 HEP56	MOT	1.44 MP86523	MOT	.97 TD-710	GE	1.25 MC839P	RCA	1.55
GE	2.64 HEP57	MOT	1.20 MP86541	MOT	.96 TD-712	GE	1.12 MC840P	RCA	1.55
GE	3.00 HEP101	MOT	.95 MP86542	MOT	1.30 TD-713	GE	1.62 MC841P	RCA	1.55
GE	1.77 HEP102	MOT	1.20 MP86543	MOT	1.32 TD-714	GE	1.08 MC842P	RCA	1.55
GE	1.80 HEP103	MOT	1.20 MP86544	MOT	1.12 TD-715	GE	1.50 MC843P	RCA	1.55
GE	2.70 HEP104	MOT	1.20 MP86545	MOT	1.24 TD-716	GE	1.05 MC844P	RCA	1.55
GE	1.41 HEP105	MOT	1.20 MP86546	MOT	1.24 TD-717	GE	1.50 MC845P	RCA	1.55
GE	5.75 HEP151	MOT	.79 MP86547	MOT	1.35 TD-718	GE	1.05 MC846P	RCA	1.55
GE	9.35 HEP153	MOT	1.24 MP86548	MOT	1.50 TD-719	GE	1.50 MC847P	RCA	1.55
GE	5.40 HEP154	MOT	.36 MP86552	MOT	.35 TI-404A	TI	5.50 PA222	GE	3.70
GE	1.05 HEP155	MOT	.49 MP86553	MOT	.60 TI-405	TI	.81		
GE	9.00 HEP157	MOT	.56 MP86554	MOT	.63 TI-51	TI	.39		
GE	5.75 HEP158	MOT	.66 MP86555	MOT	.67 TI-52	TI	.42		

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SK-3003.....	1.65	
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SK-3004.....	1.65	
SK-3005. Germanium, PNP, alloy-junction transistor for replacement use in RF amplifier, converter and IF amplifier stages of standard AM broadcast band (530 to 1550 kHz) sets. Shpg. wt., 2 oz.		
SK-3005.....	1.95	
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SK-3007. Germanium, PNP, drift-field transistor for replacement use in RF amplifier, IF amplifier and converter stages of "all-wave" receivers up to 30 MHz using DC supply up to 15 volts. Shpg. wt., 2 oz.		
SK-3007.....	2.10	
SK-3008. Germanium, PNP, drift-field transistor for RF amplifier, IF amplifier and converter stages of standard broadcast car radios and portable radios up to 15 volts. Shpg. wt., 2 oz.		
SK-3008.....	2.05	
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SK-3013.....	7.80	
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SK-3014.....	5.25	

HOW TO ORDER

When ordering, specify Dept. No. 49 B 1, followed by Mfr's Type No. and Name. For Example:
49 B 1 SK3003-RCA Designates Radio Corp. of America Type SK3003

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SK-3019. Silicon, NPN, planar transistor designed specifically for use in UHF TV oscillator stages that originally employed silicon NPN transistors. Sealed 4-terminal case. Shpg. wt., 4 oz.		
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Type No.	Description	EACH
HEP-1	Mesa RF PNP Germanium	.89
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HEP-3	250 MHz RF PNP Germanium	1.25
HEP-4	100 MHz RF PNP Silicon	1.25
HEP-51	50 MHz RF PNP Silicon	1.29
HEP-52	100 MHz RF PNP Silicon	.95
HEP-53	50 MHz RF NPN Silicon	1.15
HEP-54	30 MHz RF NPN Silicon	1.08
HEP-55	750 MHz NPN Vbe. Silicon	1.44
HEP-57	200 MHz RF PNP Silicon	1.20
HEP-101	Zener Diode—400 mV-10V	.95
HEP-102	Zener Diode-1 Watt-3.6V	1.20
HEP-103	Zener Diode-1 Watt-6.2V	1.20
HEP-104	Zener Diode-1 Watt-9.1V	1.20
HEP-105	Zener Diode-1 Watt-12V	1.20
HEP-151	Silicon Power Rect.—50V-15 amp	.95
HEP-153	Silicon Power Rect.—200V-15 amp	1.24
HEP-154	SR-Plastic-1A-50 PIV	.36
HEP-156	SR-Plastic-1A-200 PIV	.49
HEP-157	SR-Plastic-1A-400 PIV	.56
HEP-158	SR-Plastic-1A-600 PIV	.66
HEP-159	SR-Plastic-1A-800 PIV	.91
HEP-160	SR-Plastic-1A-1000 PIV	1.45
HEP-161	SR-Top Hat-3A-50 PIV	1.09
HEP-162	SR-Top Hat-3A-200 PIV	1.25
HEP-175	Silicon Bridge Rect. 1A-50 PIV	1.49

Type No.	Description	EACH
HEP-176	Silicon Bridge Rect. 1A-200 PIV	2.05
HEP-177	Silicon Bridge Rect. 1A-400 PIV	2.25
HEP-200	Power Trans. GPA-3A-TO-3 case	.82
HEP-230	Power Trans. Auto. 3A-TO-3 case	1.69
HEP-231	Power Trans. Auto. 15A-TO-3 case	1.69
HEP-232	Germanium Power Trans. PNP, "Diamond" 90W.	2.34
HEP-233	Germanium Power Trans. PNP, "Door Knob" 150W.	4.20
HEP-250	GPA Transistor Medium Gain PNP	.79
HEP-251	GPA Transistor High Gain PNP	.89
HEP-252	GPA Trans. Med. Gain Low Leak PNP	.89
HEP-253	GPA Transistor Medium Gain PNP	.95
HEP-254	GPA Transistor Medium Gain PNP	.89
HEP-300	SCR 50V-5A	2.29
HEP-302	SCR 200V-5A	2.69
HEP-304	SCR 50V-15A	4.35
HEP-305	SCR Rev. Polarity 50V-15A	4.60
HEP-306	SCR 200V-15A	5.90
HEP-307	SCR Rev. Polarity 200V-15A	6.20
HEP-310	Silicon Unijunction Trans. 300mW	1.49
HEP-553	Integrated Circuit-Half Adder	3.10
HEP-554	Integrated Circuit-Bias Driver	1.69
HEP-556	Integrated Circuit-Gate	2.49
HEP-558	Integrated Circuit-K Flip Flop	4.75
HEP-801	F-E Trans. N-Ch. VHT Input Imp. Amp.	1.29

HOW TO ORDER

When ordering, specify Dept. No. 49 B 26, followed by Mfr's Type No. and Name. Example: 49 B 26 HEP-1-MOT Designates Motorola Type HEP-1

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HOW TO ORDER

When ordering, specify Dept. No. 49 B 3, followed by Mfr's Type No., and Name. For Example:
49 B 3 GE-X1-GE Designates General Electric Type GE-X1

GE-X8. NPN germanium, medium-speed transistor designed for low level switching and amplification uses. Includes schematics for Light Source, Flasher, and Target. Also used as an oscillator, DC amp. 3 oz. **70**

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GE-X10. Uniunction transistor for oscillators, timing circuits, SCR firing and bi-stable circuits. Shpg. wt., 3 oz. **1.35**

GE-X11. Silicon zener diode rated 8.2 V. @ 1 watt. For voltage regulation and transient protection. Wt., 3 oz. **1.80**

GE-X12. TRIAC-type transistor for applications requiring control of lamps or appliances from remote locations. With schematic for building remote control for lamp in appliances. Shpg. wt., 3 oz. **4.50**

GE-X13. DIAC-type transistor for control from 0-100% of AC loads. Dims lamps, controls AC motors, etc. Shpg. wt., 3 oz. **1.60**

GE-X14. Thyrector used in voltage power supplies providing two voltage outputs from a single circuit. Shpg. wt., 3 oz. **1.15**

GE-X15. Thermistor for use as fire-warning device, temperature regulator, etc. Detects approx. 115° to 165° F. Shpg. wt., 3 oz. **3.45**

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at type. Recommended as a replacement for all selenium germanium and silicon rectifiers used in television receivers. 60-amp surge. Rated 600 PIV and 1000 mA DC. Shpg. wt., 2 oz. **62**

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Co.	Hwd	Imr	Description	EA.
01	1.1 mA @ 2.5V	4 μ A @ 20V	Common Cathode	.60
01	1.1 mA @ 2.5V	4 μ A @ 20V	Series Connected	.60
01	1.1 mA @ 2.5V	4 μ A @ 20V	Common Anode	.60

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ium mesa transistor for the Ham, hobbyist, and Citizens r. With complete circuit diagrams for transistorized s Band and remote control units. Shpg. wt., 3 oz. **1.20**



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Type No.	Use	Application	EACH
GE-1	PNP	Mixer/Oscillator Converter; RF and IF Amplifier	1.20
GE-2	PNP	AF Amplifier	1.02
GE-3	PNP	AF Power Amplifier	2.34
GE-4	PNP	AF High Power Amplifier	4.44
GE-5	NPN	Mixer/Oscillator Converter; RF and AF Amplifier	1.68
GE-6	NPN	Mixer/Oscillator Converter; RF Amplifier	1.83
GE-7	NPN	IF Amplifier	1.77
GE-8	NPN	AF Amplifier	1.29
GE-9	PNP	Mixer/Oscillator Converter; RF and IF Amplifier	1.26
GE-10	NPN	AF Amplifier	1.20
GE-11	NPN	AF and RF Amplifier, FM Converter, UHF Oscillator	1.53

INTERNATIONAL RECTIFIER SELENIUM RECTIFIER STACKS

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cost, high density selenium rectifier for original equipment and replacement use. Offer long life, stable characteristics, negligible leakage. Rated 130 volts rms max. input. With mounting bracket, hard-av. shpg. wt., 3 oz.

Tr's type	Replaces Type	Size	DC Output (mA)	EACH
75L	TO65/075	2 1/2 x .67 x .67"	0-75	.59
50L	TO75/150	3 x 1 x 1"	75-150	.74
00L	T200/300	1 3/8 x 1 1/4 x 1 1/2"	150-300	1.10
00L	T450/500	1 1/2 x 1 1/2 x 1 1/2"	400-500	1.22
50L	T550/650	2 x 2 x 2"	500-650	2.08

"PLUG IN" ALL-CIRCUIT SILICON RECTIFIERS

p-type rectifier holders for use in radio-TV, motor ol, amplifier, industrial power supply circuits. 100V. Input rms, 140 V. Shpg. wt., 2 oz.



Output, DCmA @ 50° C		Max. Surge Amps	EACH
Resistive	Capacitive		
350	250	2	.79
1000	800	50	.92

3006. Helder. Shpg. wt., 2 oz. **1.4**

ZENER DIODE KIT

-170. This bargain package contains an assortment of 5 popular at zener diodes and a complete 24-page instruction manual that udes many hobby and experimental projects. Shpg. wt., 3 oz. **1.95**

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Specify Dept. No. 49 B 24, followed by Mfr's Type No. and Name. Ex.: 49 B 24 1MA4-IR Designates International Rectifier 1MA4.

8D SUBMINIATURE SILICON RECTIFIERS

Silicon rectifiers using diffusion and encapsulation techniques to achieve DC output rating of 1000 mA at 25° C. Silver leads for easy soldering. Shpg. wt., 1 oz.

Mfr's Type	Peak Rev. V	Max. Surge, Amps	EACH
8D4	400	50	.59
8D6	600	50	.67

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Low priced rectifier kits designed to encourage experimentation with, and understanding of silicon rectifiers. Ideal for schools, laboratories, commercial applications, experimental and hobby projects. Kits contain a free 24 page instruction manual crammed with interesting and instructive projects and experiments. Shpg. wt., 3 oz.

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COLOR-TV RECTIFIER

Selenium cartridge rectifier used in 1964 color sets. Shpg. wt., 3 oz.

Mfr's Type	PRV (Volts)	Use	EACH
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*Resistance @ 2 fc = 33 1/2%. †Res. ratio from 2 fc to dark within 5 seconds. ‡Power diss. @ 25°C. (mW). §With/without heat sink. Av. shpg. wt., 2 oz.

Stock No.	Type No.	Fig.	Description	DxL (In.)	*Resist. @ 2 fc	†Max. Res. Ratio	Max. Volt.	Power Dissip.	EACH
60 B 9488	CL5M2	D	Type 2 CdS, peak resp. 5150 Å., bluest response photosensitive material; high stability, low temp. error. Use with fluorescent and incandescent lamps.	55x.18	55K	1:100	300	2000/5008	2.00
60 B 7460	CL602	B		25x.5	1 meg.	1:100	300	75	1.50
60 B 7472	CL702	C		36x.18	1 meg.	1:100	300	125	2.00
60 B 7486	CL902	E		21x.15	1 meg.	1:100	250	50	1.50
60 B 7469	CL503	A		5x.5	7.2K	1:10,000	250	500/2508	1.50
60 B 9489	CL5M3	D		55x.18	7.2K	1:10,000	300	2000/5008	1.50
60 B 7461	CL603	B	Type 3 CdSe, peak spectral response 7350 angstroms, fast response, and very high light-to-dark resistance ratio. Can be used for high speed switching or counting. Sensitive to near infra red. For use with incandescent or neon lamps.	25x.5	133K	1:10,000	300	75	1.75
60 B 7462	CL603AL	B		25x.5	7.5K	1:10,000	300	75	1.75
60 B 7473	CL703	C		36x.18	133K	1:10,000	300	125	1.50
60 B 6437	CL703A	C		36x.18	67K	1:10,000	300	125	1.50
60 B 7474	CL703L	C		36x.18	2.7K	1:10,000	170	125	1.50
60 B 7488	CL903	E		21x.15	13K	1:10,000	250	50	1.50
60 B 6438	CL903A	E		21x.15	67K	1:10,000	250	50	1.50
60 B 6439	CL903L	E		21x.15	5.9K	1:10,000	170	50	1.50
60 B 7456	CL504	A		5x.5	1.5K	1:1000	250	500/2508	1.50
60 B 9490	CL5M4	D		55x.18	1.5K	1:1000	300	2000/5008	1.50
60 B 7457	CL504L	A		5x.5	0.25K	1:1000	170	2000/5008	1.50
60 B 6440	CL5M4L	D		55x.18	0.25K	1:1000	170	2000/5008	1.50
60 B 7464	CL604	B	Type 4 CdSe, peak spectral response 6900 angstroms, very low resistance photocells. Can be used for "on-off" applications when low resistance is desired. For use with either incandescent or neon lamps.	25x.5	30K	1:1000	300	75	1.50
60 B 7465	CL604L	B		25x.5	1.5K	1:1000	170	75	1.50
60 B 6441	CL704	C		36x.18	30K	1:1000	300	125	1.50
60 B 7476	CL704L	C		36x.18	3.3K	1:1000	170	125	1.50
60 B 7490	CL904	E		21x.15	30K	1:1000	250	50	1.50
60 B 6442	CL904L	E		21x.15	2K	1:1000	100	50	1.50
60 B 7458	CL505	A		5x.5	9K	1:100	250	500/2508	1.50
60 B 9491	CL5M5	D		55x.18	9K	1:100	300	2000/5008	1.50
60 B 7459	CL505L	A		5x.5	1.5K	1:100	170	500/2508	1.50
60 B 6443	CL5M5L	D		55x.18	1.5K	1:100	170	2000/5008	1.50
60 B 7466	CL605	B	Type 5 CdS, peak spectral response 5500 angstroms (closely matches the human eye), stable, low memory photocell. Can be used in light measuring applications, and precision low speed switching. For use with incandescent, fluorescent or neon lamps.	25x.5	166K	1:100	300	75	1.50
60 B 7467	CL605L	B		25x.5	1.5K	1:100	170	75	1.50
60 B 6444	CL705	C		36x.18	166K	1:100	300	125	2.00
60 B 7478	CL705L	C		36x.18	10K	1:100	170	125	1.50
60 B 6445	CL905	E		21x.15	166K	1:100	250	50	1.50
60 B 6446	CL905L	E		21x.15	10K	1:100	100	50	1.50
60 B 6447	CL705HL	C	Type 5H CdS, peak response 5500Å. Uniform color temp. response. For speed switching, high stability measuring, incandescent, fluorescent, neon lamps.	36x.18	28K	1:1000	170	125	1.50
60 B 6448	CL905HL	E		21x.15	100K	1:1000	100	50	1.50
60 B 6449	CL905HNL	E		21x.15	700K	1:1000	100	50	1.50
60 B 6450	CL507	A		5x.5	7.2K	1:1000	250	500/2508	1.50
60 B 9492	CL5M7	D		55x.18	7.2K	1:1000	300	2000/5008	1.50
60 B 7468	CL607	B		25x.5	133K	1:1000	300	75	1.50
60 B 6451	CL707	C		36x.18	133K	1:1000	300	125	1.50
60 B 6452	CL707L	C		36x.18	1.7K	1:1000	170	125	1.50
60 B 6453	CL907	E		21x.15	133K	1:1000	250	50	1.50
60 B 7448	CL907N	E		21x.15	66K	1:1000	100	50	1.50



F HYGROPAK HUMIDITY SENSORS

Range: 30% to 100% relative humidity. 1x 1/8x1/4". 3/4" pin spacing. Shpg. wt., 4 oz.

Stock No.	Type	Description	EACH
60 B 7746	HA	Under 100K to over 100 megs	5.00
60 B 7747	HA-26	30 ohms to 100 ohms	6.00
60 B 7748		Socket for HA or HA-26	.30

G POLARIS MAJ-1 PHOTOCELL

TYPE LDR-C1. CdS cell rated 75-300 ohms at 92 footcandles. 10 megs in total darkness.

Maximum change, 0.2 meg per sec. Maximum cell voltage 110 VAC (peak) or DC. Ambient range, -20° to +60°C. Wt., 6 oz.
60 B 7565.....1.00

SOLAR SYSTEMS SILICON CELLS

Power transistor radios or operate relays and small motors from sunlight. Response, 20 usec maximum. Peak sensitivity at 0.85 micron. Unmounted. 6" color-coded leads. Av. shpg. wt., 2 oz.

Stock No.	SS Type	Fig.	Output mA mW	Size	EA.
60 B 7566	10-4L	L	18.0 7.2	3.8x.4"	1.95
60 B 7567	10-6L	L	12.0 4.8	3.8x.4"	2.40
60 B 7568	10-8L	L	6.0 2.4	3.8x.4"	3.60
60 B 7569	11-1L	L	3.0 1.2	4.8x.4"	1.95
60 B 7570	12-1L	L	5.0 2.0	4.8x.2"	1.50
60 B 7571	20-1L	M	12.0 4.8	3.8x.2"	3.50
60 B 7572	21-1L	M	5.0 2.0	4.8x.2"	2.25
60 B 7573	22-1L	M	2.5 1.0	4.8x.2"	1.40
60 B 7574	23-1L	M	1.3 0.52	2x.1"	1.00
60 B 7575	30-1L	N	60.0 24.0	1.125" d.	6.75

IR PHOTOCELL EXPERIMENTER KIT



Type K-421. May be used for powerline, transistor, radio, building light meters, sun-powered projects, etc. Contains 17 different selenium and silicon-cadmium-sulfide photocells similar to those illustrated. Kit includes an instruction manual with circuit diagrams and experiments, plus "Experimenter Handbook." Shpg. wt., 1 lb.
60 B 7660.....5.95

SYLVANIA PCK-10 PHOTOCONDUCTOR KIT



Construct remote switches, light meters, mode R crossing guard, etc. Includes: 3 Sylvania T-4 CdS photocells; Sigmastac DC-DC relay; mtg. bracket; 22K 1-watt resistor wt. 1/10% tol.; "Circuits Booklet" that details 1 circuit uses. Photoconductors have hermetic case-sealed glass envelopes. Relay has normally closed and normally open contacts that handle up to 20 amps (resistive load); 500 ohms DC coil resistance. Shpg. wt., 1 lb.
60 B 8820.....9.95

F. W. BELL "HALL PAK" EXPERIMENTAL KIT

Explains electromagnetic phenomenon—the development of a voltage potential between two edges of a strip of metal in which electric current is flowing longitudinally. Includes Hall-effect device; circuit board with balancer network; DC transistor amplifier (voltage gain of 50); magnet for stable DC field; instruction experiments, 1 lb.
60 B 7659 \$5 Monthly.....21.95

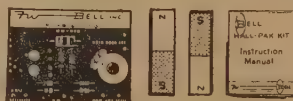
Stock No.	Type No.	Fig.	Max. mA	Max. µA/fo	Diss. (W)	EACH
60 B 7435	4403	H	50	11,500	.3	1.12
60 B 7438	4423	J	20	500	.2	2.10
60 B 7439	4425	J	50	6000	.2	2.10
60 B 7443	7163	H	30	2000	1	1.11
60 B 6272	7412	K	1	300	.05	2.06

GENERAL ELECTRIC

CADMIUM-SULFIDE PHOTOCELLS

Hermetically sealed photoconductive cells, end-illuminated. Pass operating life tests of over 1 million cell hours. Peak spectral response 6100 Å., except A33 and A35, which are 5500 Å. Ambient range is -40° to +65°C. Maximum current is 10 mA, except B425, 20 mA and B1035, 50 mA. Glass and metal envelopes with radial leads. Shpg. wt., 2 oz.

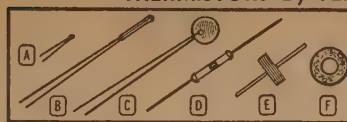
Stock No.	Type No.	Fig.	Rated V	Max. P (mW)	EACH
60 B 7586	A33	J	30	75	1.35
60 B 7587	A35	J	50	75	1.35
60 B 8932	B46	J	50	250	1.45
60 B 7588	B425	J	250	250	1.40
60 B 7591	B1035	H	350	300	1.70



Thermistors and Semiconductor Coolers

THERMISTORS By FENWAL ELECTRONICS, INC.

a Wide
Variety
of Styles
or All Job
requirements



glass-coated bead thermistors where fast response, precision and ration in temperatures up to 600°F are required. Medium-small glass beads are similar, but are more rugged and mount more easily. Discs used for medium power and time response, for temperatures up to °C. Rods and washers are ideal for high dissipation applications; rate in temperatures up to 150°C. Av. shpg. wt., 2 oz.

Stock No.	Mfr's Type	Fig.	Style	Ohms @ 25°C	Res. Ratio 0°C: 50°C	EACH
B 8621	GD25J1	A	Bead	500	5.1:1	3.24
B 8622	GB31J1	A	Bead	1000	7.3:1	2.70
B 9911	GB32J2	A	Bead	2000	7.3:1	2.70
B 8623	GB35J1	A	Bead	5000	7.3:1	2.24
B 8624	GB41J1	A	Bead	10K	7.5:1	3.24
B 8625	GA45J1	A	Bead	50K	10.3:1	2.67
B 9909	GA51J1	A	Bead	100K	10.3:1	2.70
B 7113	GA52J2	A	Bead	200K	10.9:1	2.70
B 8626	GA53J1	A	Bead	500K	11.8:1	2.24
B 7114	GA61J1	A	Bead	1000K	14.0:1	3.78
B 8627	GB31P2	B	Probe	1000	7.3:1	2.00
B 8628	GB32P2	B	Probe	2000	7.3:1	2.00
B 9912	GB32P2	B	Probe	2000	7.3:1	2.75
B 8629	GB34P2	B	Probe	4000	7.3:1	2.00
B 8630	GB41P2	B	Probe	10K	7.5:1	2.40
B 8631	GB42P2	B	Probe	20K	7.5:1	2.40
B 7116	GA45P2	B	Probe	50K	10.3:1	2.20
B 9910	GA51P2	B	Probe	100K	10.3:1	2.00
B 9967	GA51P2	B	Probe	100K	10.3:1	2.35
B 8632	GB42P2	B	Probe	200K	10.9:1	2.00
B 8633	GA55P2	B	Probe	500K	11.8:1	2.40
B 8634	GA61P2	B	Probe	1.0 Meg	14.0:1	2.80
B 8635	JB25J1	C	Disc	500	6.9:1	1.00
B 8636	JB31J1	C	Disc	1000	6.9:1	1.00
B 8637	JA33J1	C	Disc	3000	9.1:1	1.00
B 9975	JA33J1	C	Disc	5000	9.1:1	1.00
B 7118	JA38J1	C	Disc	8000	9.1:1	1.00
B 8638	JA41J1	C	Disc	10K	9.1:1	1.00
B 8639	KB21J1	C	Disc	100	6.9:1	.85
B 8640	KB22J1	C	Disc	200	6.9:1	.85
B 8641	KB23J1	C	Disc	300	6.9:1	.85

Stock No.	Mfr's Type	Fig.	Style	Ohms @ 25°C	Res. Ratio 0°C: 50°C	EACH
60 B 8642	KB25J1	C	Disc	500	6.9:1	.85
60 B 9914	KA31L1	C	Disc	1000	9.1:1	.85
60 B 7119	KA33J1	C	Disc	3000	9.1:1	.85
60 B 8643	KA35J3	C	Disc	5000	9.1:1	.85
60 B 8644	LB21J2	C	Disc	18.6	6.9:1	.97
60 B 7120	LB15J1	C	Disc	50	6.9:1	.85
60 B 9915	LB21J1	C	Disc	100	6.9:1	.85
60 B 8645	RB22L1	E	Disc	200	6.9:1	.85
60 B 8646	LA25L2	E	Disc	500	9.1:1	.85
60 B 8647	LA31J1	C	Disc	1000	9.1:1	.85
60 B 8648	MB13J1	C	Disc	25	6.9:1	.85
60 B 9916	OA51L1	D	Rod	100	9.1:1	1.25
60 B 8650	NB11J1	C	Disc	10	6.9:1	.85
60 B 8651	NA21J1	C	Disc	100	9.1:1	.85
60 B 8652	NA22J1	C	Disc	250	9.1:1	.85
60 B 8653	OB41J1	D	Rod	10K	7.1:1	1.25
60 B 9917	OB41J1	D	Rod	100K	7.1:1	1.25
60 B 9918	RB33L1	D	Rod	3150	7.1:1	1.20
60 B 9878	RA43L1	D	Rod	10K	9.1:1	1.20
60 B 8654	RA51L1	D	Rod	31.5K	9.1:1	1.20
60 B 8655	TB31L1	D	Rod	100K	9.1:1	1.35
60 B 8656	TA45L1	D	Rod	50K	7.1:1	1.35
60 B 9925	WB11W1	F	Washer	10	6.9:1	1.25
60 B 9919	WA21W1	F	Washer	100	9.1:1	1.25
60 B 8686	WA23W1	F	Washer	315	9.1:1	1.25

G300A THERMISTOR DATA COMPUTER

Includes handy resistance-temperature computer card and thermistor manual that gives specifications of all thermistors. Shpg. wt., 4 oz. 60 B 9877B.....1.00

EXPERIMENTER'S THERMISTOR KITS

See cut at upper left for illustrations of kit items. Beads are Fig. A; probes, Fig. B; discs, Figs. C and E; rods, Fig. D; washers, Fig. F. Model G-200. Contains 12 different thermistors (2 glass probes, 3 beads, 2 discs, 3 rods, 2 washers). Each thermistor is packed with specification sheets showing complete operating characteristics—resistance-temperature curves, etc. Shpg. wt., 1 1/2 lbs. 60 B 9926 "S" Model.....9.95

60 B 8658, G-700 Economy Kit. Includes 4 glass beads and probes for a variety of basic applications. Complete with manual and thermistor data- and curve computer. Shpg. wt., 6 oz.....4.95

60 B 8659, G-701 Economy Kit. Includes 10 glass beads and probes in a wider range of resistance values. With manual and thermistor data- and curve computer. Shpg. wt., 8 oz.....9.95

WAKEFIELD ENGINEERING SEMICONDUCTOR COOLERS

SERIES 200 FEATHERWEIGHT COOLERS



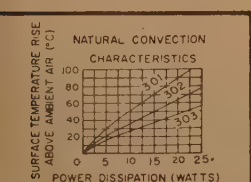
nique fin design permits horizontal or vertical orientation with excellent natural convection. In forced convection uses, the area of the semiconductor may be oriented either perpendicular or parallel to the direction of air flow. Series 200 coolers are made from a beryllium copper foil having twice the thermal conductivity of commonly used alloys. Each fin length. Meets MIL-C-81021. Shpg. wt., 2 oz.

Stock No.	Mfr's Type	Fig.	Dia. In.	Lght. In.	Fits Case Dia.	EACH
60 B 6527	NF201	G	.64	.19	.161/.24	.27
60 B 6528	NF201	G	.64	.38	.161/.24	.29
60 B 9525	NF204	C	.55	.20	.275/.335	.27
60 B 6529	NF205	G	.72	.19	.275/.370	.27
60 B 6530	NF207	K	.72	.38	.275/.370	.29
60 B 6531	NF209	J	1.28	.44	.275/.370	.34
60 B 7074	NF211	G	.83	.19	.440/.544	.27
60 B 7075	NF213	K	.83	.38	.440/.544	.29
60 B 7076	NF215	H	1.40	.44	.440/.544	.34
60 B 7042	NF222	H	.64	.38	.161/.240	.38
60 B 7043	NF224	H	.72	.44	.275/.371	.38

INSTALLATION TOOLS FOR MODELS ABOVE

0 B 6532	160 Installation tool for Models 201, 3, 5, 7, 9	1.50
0 B 8921	161 Installation tool for Models 211, 13, 15	1.50

SERIES 300 RECTIFIER COOLERS



Dissipate Heat Effectively



Radial fin design. Accommodate stud mounted (up to 1/4") hex case, press fitted rectifiers and transistors. Have MIL-spec black anodize finish. Use Type 103 Teflon insulators. Shpg. wt., 6 oz.

SERIES 400 NATURAL CONVECTION COOLERS

Ideal for use where space is critical. Features an optimum fin design for reliability in a wide range of semiconductor applications. Mounting area: Types 401-403, 6.3 sq. in.; Type 441, 7.13 sq. in. Black anodize finish per MIL-A-8625 Type II specifications. Av. shpg. wt., 4 oz.

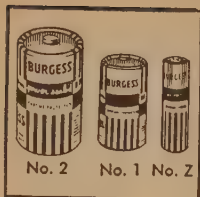


Stock No.	Mfr's Type	Fig.	H	W	D	EACH
60 B 6501	NC401A	L	1.50	4.81	1.25	1.55
60 B 6502	NC401B	L	1.50	4.81	1.25	1.55
60 B 7094	NC401E	L	1.50	4.81	1.25	1.78
60 B 6503	NC401K	L	1.50	4.81	1.25	1.29
60 B 6504	NC403A	L	3.00	4.81	1.25	1.78
60 B 6505	NC403B	L	3.00	4.81	1.25	1.78
60 B 7096	NC403C	L	3.00	4.81	1.25	1.78
60 B 6506	NC403K	L	3.00	4.81	1.25	1.52
60 B 9526	NC413A	L	3.00	4.81	1.87	2.41
60 B 9527	NC413B	L	3.00	4.81	1.87	2.41
60 B 9528	NC413K	L	3.00	4.81	1.87	2.51
60 B 5077	NC42A	L	3.00	4.31	2.63	2.51
60 B 6508	NC421B	L	3.00	4.81	2.63	2.51
60 B 7098	NC421C	L	3.00	4.81	2.63	2.51
60 B 6509	NC421K	L	3.00	4.81	2.63	2.24
60 B 6510	NC423A	L	5.50	4.81	2.63	3.66
60 B 6511	NC423B	L	5.50	4.81	2.63	3.66
60 B 6512	NC423K	L	5.50	4.81	2.63	3.40
60 B 7106	NC431J	M	5.50	4.75	4.50	6.41
60 B 7107	NC441W	M	5.50	4.75	4.50	6.41
60 B 6533	NC441K	M	5.50	4.75	4.50	5.92

Stock No.	Mfr's Type	H	W	D	EACH
60 B 7077	NC301M	.75	2.00	2.00	1.55
60 B 7078	NC301N	.75	2.00	2.00	1.55
60 B 7079	NC301R	.75	2.00	2.00	1.55
60 B 7080	NC301RR	.75	2.00	2.00	1.55
60 B 7082	NC302M	1.50	2.00	2.00	1.65
60 B 7083	NC302N	1.50	2.00	2.00	1.65
60 B 7084	NC302R	1.50	2.00	2.00	1.65
60 B 7087	NC302RR	1.50	2.00	2.00	1.95
60 B 7089	NC303M	3.00	2.00	2.00	1.90
60 B 7090	NC303N	3.00	2.00	2.00	1.90
60 B 7091	NC303R	3.00	2.00	2.00	1.90
60 B 7093	NC303RR	3.00	2.00	2.00	2.20
60 B 6519	103	Insulator	(Pkg. of 10)		.57

BURGESS Quality-Engineered Batteries

FLASHLIGHT AND GENERAL-PURPOSE BATTERIES



Stock No.	Mfr's Type	PRICE	Volts	Size	Wt., Oz.	Replaces				
						Eveready	Ray-O-Vac	RCA	NEDA	
18 B 5867	2	Pkg. of 4 for .65	1½	2 3/8 x 1 1/4" dia. (D)	10	950	2D	VS036	13F	
18 B 5868	210	Pkg. of 4 for .67	1½	2 3/8 x 1 1/4" dia. (D)	10	1050	3D	VS036	13C	
18 B 5865	1	Pkg. of 2 for .33	1½	1 1/2 x 3/4" dia. (C)	10	935	1C	VS035A	14F	
18 B 5870	Z	Pkg. of 2 for .30	1½	1 1/2 x 3/4" dia. (AA)	10	515	7R	VS034A	15E	

SPECIAL LONG-LASTING ALKALINE BATTERIES

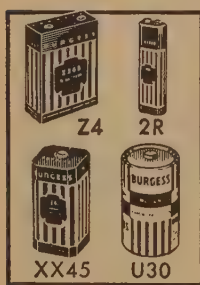
Stock No.	Mfr's Type	PRICE	Volts	Size	Wt., Oz.	Replaces				
						Eveready	Mallory	RCA	NEDA	
18 B 5872	AL-2	.49 ea.	1½	2 1/2 x 1 1/4" dia.	10	E95	MN-1300	VS1336	13	
18 B 5873	AL-1	.39 ea.	1½	1 1/2 x 3/4" dia.	10	E93	MN-1400	VS1335	14	
18 B 5874	AL-9	.33 ea.	1½	1 1/2 x 1 1/2" dia.	10	E91	MN-1500	VS1334	15A	

BATTERIES FOR TRANSISTOR CIRCUITS

Stock No.	Mfr's Type	PRICE	Volts	Size	Wt., Lbs.	Replaces				
						Eveready	Ray-O-Vac	RCA	NEDA	
18 B 5769	2MN6	.65 ea.	9	1 3/8 x 1 1/8"	1/8	222				1604D
18 B 5661	2N6	1.30 ea.	9	2 3/4 x 1 3/8"	1/4	246	1602	VS305	1602	
18 B 5650	2U6	.48 ea.	9	1 3/8 x 1 1/8"	1/4	216	1604	VS323	1604	
18 B 5861	130	Pkg. of 2 for .39	1½	1 1/2 x 3/4" dia.	1/2	1035	14	VS335	14	
18 B 5862	230	Pkg. of 2 for .38	1½	2 3/8 x 1 1/4" dia.	1/2	1050	13	VS336	13	
18 B 5863	930	Pkg. of 4 for .64	1½	1 1/2 x 3/4" dia.	1/2	1015	15	VS334	15	
18 B 5666	A4	.78 ea.	6	1 3/2 x 1 3/2 x 2 1/4"	1/4					
18 B 5670	C6X	1.64 ea.	9	2 1/2 x 1 1/2 x 3/4"	3/4	2356N		VS330	1612	
18 B 5098	D5	1.15 ea.	7 1/2	2 1/2 x 2 1/2 x 3/4"	@		26	VS315	26	
18 B 5652	D6	1.36 ea.	9	2 1/2 x 2 1/2 x 3/4"	1	276	1603	VS306	1603	
18 B 5667	D6PI	1.92 ea.	3, 6, 9	2 1/2 x 1 1/2 x 2 3/4"	1 1/2	2506	1601	VS301	1601	
18 B 5103	D6S	2.45 ea.	9	2 1/2 x 1 1/2 x 2 3/4"	1 1/2	2761	1608		1608	
18 B 5174	L6	.62 ea.	9	1 3/2 x 3/4" dia.	1/2	206		VS327	1611	
18 B 5102	M6	1.36 ea.	9	1 1/2 x 1 1/2 x 2 1/2"	1/2	266	1605	VS322	1605	
18 B 5864	NE	Pkg. of 6 for .48	1½	1 1/4 x 3/4" dia.	1 1/2	904	716	VS073	910	
18 B 5093	P6	.62 ea.	9	1 1/2 x 1" dia.	1/4	226	1600	VS300A	1600	
18 B 5770	PM6	.80 ea.	9	1 1/2 x 1" dia.	1/4				1600D	
18 B 5657	XX9	1.77 ea.	9, 13 1/2	1 3/2 x 2 3/2 x 2 1/2"	1/4	239	1900	VS304	1900	
18 B 5364	V6	.83 ea.	9	3/2 x 5/8 x 1 1/8"	1/8		1606		1606	

PORTABLE RADIO BATTERIES

Stock No.	Mfr's Type	PRICE	Volts	Size	Wt., Lbs.	Replaces				
						Eveready	Ray-O-Vac	RCA	NEDA	
18 B 5866	2R	Pkg. of 2 for .33	1½	2 2/5 x 1 1/4" dia.	1/2	1050	2LP	VS336	13	
18 B 5644	21R	.42 ea.	1½	4 1/8 x 1 1/4" dia.	1/2	964	20	VS323	20	
18 B 5041	B5	2.27 ea.	7 1/2	3 3/8 x 1 3/8 x 2 1/2"	1/2	713	8	VS129	8	
18 B 5044	CS	1.23 ea.	7 1/2	2 3/2 x 1 1/2 x 3 1/2"	3/4	717	9	VS065	9	
18 B 5592	F3	1.23 ea.	4 1/2	4 x 1 1/2 x 4 1/8"	1 1/4	736	A3	VS067	3	
18 B 5593	Z4	.87 ea.	6	1 3/2 x 1 1/2 x 2 1/2"	1/4	724	A2	VS068	2	
18 B 5570	A30	2.92 ea.	45	3 1/2 x 1 1/2 x 4 1/2"	1 3/4	W359	206	VS014	206	
18 B 5571	B30	3.47 ea.	45	4 1/2 x 2 1/2 x 5 1/2"	2 1/4	484	207	VS012	207	
18 B 5669	NG0X	3.47 ea.	90	1 1/2 x 1 1/2 x 7 1/8"	1 1/8	495		VS316	216	
18 B 5645	P45	2.70 ea.	60	1 3/2 x 1 1/2 x 3 1/2"	1	477	211P	VS218	211	
18 B 5651	P60	2.97 ea.	97 1/2	1 3/2 x 1 1/2 x 3 1/2"	1	479	214	VS219	214	
18 B 5649	U30	1.75 ea.	45	1 3/2 x 1 1/2 x 3 1/2"	1/4	415	213	VS086	213	
18 B 5668	UX45	2.07 ea.	67 1/2	1 3/2 x 1 1/2 x 3 1/2"	1/2	416	217	VS318	217	
18 B 5586	XX50	3.15 ea.	75	1 3/2 x 1 1/2 x 3 1/2"	1	437	212	VS217	212	
18 B 5581	XX69	4.06 ea.	103 1/2	1 1/2 x 1 1/2 x 3 1/2"	1	W361	227		227	
18 B 5572	Z30	2.76 ea.	45	3 1/2 x 1 1/2 x 4 1/8"	1 1/2	738	205	VS015	205	



KNIGHT

9-V TRANSISTOR RADIO BATTERY

2 for 59¢

Replaces Many Transistor Radio Batteries



Made by a famous American manufacturer, yet sell at imported-battery prices. Manufactured under rigid standards and quality control procedures to assure long life. Replaces these transistor radio batteries: Burgess 2U6, RCA VS323, Eveready 216, Marathon 1604, Western Auto 3B469, Montgomery Ward 123, Sears 6417, and many others. 1 7/8 x 3 3/4 x 1". Shpg. wt., 6 oz.

18 B 5980..... Pkg. of 2 for .59



INDUSTRIAL ELECTRONIC TRANSISTOR BATTERIES

Stock No.	Mfr's Type	PRICE	Volts	Size	Shpg. Wt., Oz.	Replaces				
						Eveready	Ray-O-Vac	RCA	NEDA	
18 B 5054	XX15	1.56 ea.	22 1/2	1 1/2 x 1 1/2 x 3 1/8"	4	425P	PN15			
18 B 5060	XX30PI	2.27 ea.	45	2 1/2 x 3 1/2 x 4 1/2"	12	455P	PN30F			
18 B 5104	K-10	1.28 ea.	15	1 1/2 x 3 1/2 x 1 1/2"	2	417			224	
18 B 5105	K-15	1.44 ea.	22 1/2	1 1/2 x 3 1/2 x 2 1/2"	2	420			225	
18 B 5064	U15	1.05 ea.	22 1/2	1 3/8 x 3/8 x 1 1/2"	2	412	215	VSO4	215	
18 B 5068	V20	1.30 ea.	30	1 3/8 x 1 1/2 x 1 1/2"	3	506			223	
18 B 5077	V20S	1.30 ea.	30	1 1/2 x 3/2 x 2 1/2"	3	507			222	
18 B 5066	U20	1.23 ea.	30	2 1/2 x 3/8 x 2 1/2"	2	413	A210	VS085	220	
18 B 5594	U200	8.37 ea.	500	2 3/8 x 3/8 x 3 1/2"	16	493	722	VS093	722	
18 B 5660	U320	13.00 ea.	510	2 1/2 x 1 1/2 x 5 1/8"	24	497				
18 B 5559	5308	3.05 ea.	45	4 1/8 x 2 1/2 x 5 1/8"	48	762S	709	VS112	709	

Eveready Popular Long-Life Batteries

CALINE ENERGIZER BATTERIES

for devices that are in continuous operation for periods. Deliver higher amperage with constant output over a much longer period of time than standard batteries. Provide lowest operating costs in high applications. Operate over wide range of temperatures. Use in portable TV sets, flashguns, electric games, etc. *Indicates rechargeable. Sizes: E90 "A"; E91 "AA"; E92 "AAA"; E93 "C"; E95 "D". Av. shpg. wt., 10 oz.



Stock No.	Mfr's Type	Volts	Size	PRICE	Replaces
5440	E90	1½	1½ dia. x 1½"	Pkg. of 2, 54	Mn 1900 AL-N
5425	E91BP	1½	¾ dia. x 1½"	Pkg. of 2, 66	Mn 1500 AL-9
5348	E92	1½	1½ dia. x 1¼"	33 ea.	Mn 2400 AL-7
5347	E93BP	1½	1½ dia. x 1½"	Pkg. of 2, 79	Mn 1400 AL-1
5993	E94	1½	1½x1½"	39 ea.	.....
5346	E95BP	1½	1½ dia. x 2½"	Pkg. of 2, 99	Mn 1300 AL-2
5856	E177	9	3½ dia. x 12½"	1,29 ea.	TR-177 H-177
5856	53	9	3½ dia. x 12½"	82 ea.	PK-21 AL-133
5997	53	9	3½ dia. x 2½"	43 ea.	.....
5857	560	7½	2½x1½x3½"	10,62 ea.	.....
5858	561	15	8½x2½x5½"	2,76 ea.	.....
5859	563	4½	12½ dia. x 7½"	10,62 ea.	.....
5043	564	4	8½x2½x5½"	9,94 ea.	.....
5848	596	1½	8½x2½x5½"	1,20 ea.	.....

LONG-LIFE TRANSISTOR BATTERIES



Specially manufactured to provide distortion-free tonal quality and steady full-charge power. Fit most transistor radios, many flashlights, etc. *Indicates flat contacts (206 has recessed negative); regular snap-type contacts; miniature snap-type contacts. No. 222BP is a premium long-life battery, similar to 216, but higher quality. Av. shpg. wt., 4 oz.

Stock No.	Mfr's Type	Volts	Size	Replaces	PRICE
18 B 5150	206BP*	9	2½x3"	L6	.63
18 B 5151	216BP*	9	1½x2½x1½"	P6	.49
18 B 5152	222BP*	9	1½x2½x1½"	2MN6	.65
18 B 5153	226BP*	9	1x1½"	P6	.63
18 B 5154	246*	9	1½x1½x2½"	2N6	1.30
18 B 5155	266*	9	1½x1½x2½"	M6	1.36
18 B 5156	276*	9	2½x2½x3½"	D6	1.36
18 B 5157	333BP*	4½	2½x1½"	.....	.63
18 B 5158	101B2	1½	1½x1½"	910	4.62
18 B 5159	1035BP*	1½	1½x1½"	130	2.39
18 B 5160	1050BP*	1½	1½x2½"	230	2.39

PHOTOFLASH BATTERIES

High peak current for proper synchronization of solid shutter and bulb. Type 467 is for slave units. Types 482, 489, 490, 491, 492, 493, 497, and 726 are for electric repeating flash. Types 411, 413, 504, and 505 are for units. Types 815, 835, and 850 are cylindrical cells for initial, current discharge. Sizes: Type 815—"AA"; 835—"C"; Type 850—"D". Av. shpg. wt., 10 oz.



Stock No.	Mfr's Type	Volts	Size	Shpg. Wt.	PRICE	Replaces
5608	411	15	1½x5½x12½"	2 oz.	.81 ea.	U10
5610	413	15	1½x5½x2½"	2 oz.	1.23 ea.	U30
5604	457	67½	2½x1½x3½"	¾ lb.	2.70 ea.	K45
5272	460K	4	1½x1½x2½"	1.67 ea.	47P	.....
5614	467	67½	2½x1½x3½"	¾ lb.	2.70 ea.	XX45
5605	482	45	3½x1½x2½"	2 lbs.	2.97 ea.	M30
5613	489	225	4½x2½x6½"	2½ lbs.	6.96 ea.	XX150
5609	491	240	2½x1½x3½"	¾ lb.	1.15 ea.	V60
5609	491	240	2½x1½x3½"	¾ lb.	5.56 ea.	U160
5606	492	225	3½x2½x2½"	2½ lbs.	7.65 ea.	N150
5611	493	300	2½x1½x3½"	1 lb.	8.37 ea.	U200
5612	497	510	3x1½x5½"	1½ lbs.	11.16 ea.	U320
5615	504	15	¾x1½x1½"	1 oz.	.81 ea.	Y10
5616	505	22½	¾x1½x1½"	1 oz.	1.05 ea.	Y15
5613	726	4½	4½x1½x1½"	¾ lb.	1.23 ea.	D3
5616	812BP	1½	1½x1½"	2, 27	2.27	.....
5602	815BP*	1½	¾ dia. x 1½"	½ lb.	Pkg. of 2, 33	920
5600	835BP	1½	1½ dia. x 1½"	½ lb.	Pkg. of 2, 39	120
5349	850	1½	1½ dia. x 2½"	¾ lb.	19 ea.	220

TOP-QUALITY ZINC CARBON FLASHLIGHT BATTERIES

Long-life zinc carbon batteries, sealed to provide protection in handling and against corrosive leakage. Designed to give maximum service in all popular size flashlights. Type 935 (size "C") is for baby tubular flashlights. Types 950 and 1150 (size "D") are for standard flashlights. Type 1150 is a heavy-duty battery, for extra-long life. Type 915 (size "AA") fits standard penlights; Type 912 (size "AAA") fits slim penlights. Type 904 is for miniature and novelty lights. Shpg. wt., 10 oz. per pkg.



Stock No.	Mfr's Type	PRICE	Size (L x Dia.)	Replaces	
				Bur-gess	Ray-O-Vac
18 B 5082	904	Pkg. of 6 for .48	1 1/2 x 1 1/2 x 1 1/2"	N	716
18 B 5080	912	Pkg. of 2 for .26	1 3/4 x 1 3/4"	7	400
18 B 5083	915BP	Pkg. of 2 for .27	1 3/4 x 2 1/4"	Z	7R
18 B 5078	935	Pkg. of 2 for .33	1 3/4 x 2 1/4"	1	1LP
18 B 5079	950	Pkg. of 4 for .65	2 1/2 x 1 1/2"	2	2LP
18 B 5081	1150	Pkg. of 4 for .67	2 1/2 x 1 1/2"	210	3LP

4-VOLT NICKEL-CADMIUM BATTERIES

Long-life and outstanding durability. Nickel-cadmium are storage (secondary) batteries. Can be recharged many times to give long, economical life. Not adversely affected by storage, either charged or discharged. All have pressure contacts except suffix "D" which indicates standard lug terminals. All are sealed in steel. Sizes: Type N46—"AA"; Type N54 "C"; Type N57—"D". 110-hour discharge rate. Wt., 3 oz.



BUTTON CELLS

Stock No.	Mfr's Type		Size	PRICE	Replaces	EACH
5617	B20	N22	2 9/16x3/4"	2	CD1	1.05
5618	B50	N24	3 1/2x3/4"	5	CD2	.70
5627	B100	N26	4 1/2x3/4"	10	CD8	.77
5628	B100T	N26T	6 1/2x3/4"	10	CD8L	.90
5619	B150	N28	1 1/2x1 1/2"	15	CD3	.80
5622	B180T	N28T	1 1/2x1 1/2"	15	CD3L	.93
5623	B225	N32	6 1/2x1 1/2"	22.5	CD4	.83
5624	B225T	N32T	6 1/2x1 1/2"	22.5	CD4L	.97
5031	BH225S	N33	1 x2 3/4"	225	.....	.97
5625	B450	N36	1 1/2x1 1/2"	45	CD5	1.47
5626	B450T	N36T	1 1/2x1 1/2"	45	CD5L	1.60
5032	BH500	N38	1 1/2x2 1/2"	500	.....	1.75

CYLINDRICAL CELLS

B 5629	C450	N46	3/4"x1 1/2"	45	CD6	1.93
B 5630	C450T	N45T	3/4"x2 1/2"	45	CD6L	2.10
B 5633	C900	N52	3/4"x3 1/2"	90	CD9	3.17
B 5637	CH750T	N53T	1 1/2"x1 1/2"	120	CD12	2.21
B 5612	CH1.5	N54	1.031x1.969"	150	.....	4.06
B 5631	C2	N56	1 1/2"x2 1/2"	250	CD7	4.06
B 5632	C2T	N56T	1 1/2"x2 1/2"	250	CD7L	4.19
B 5634	CH4	N57	1 1/2"x2 1/2"	400	CD10	5.69
B 5635	CH4T	N57T	1 1/2"x2 1/2"	400	CD10L	5.82
B 5163	N63	N63	2.81x2.81x1.32"	50	.....	26.60

LANTERN BATTERIES

Specially designed for use with railroad-type lanterns. Type 509 has positive coil-spring contacts. Others have binding posts. Type 732 features pressurized construction for underwater use. All are 6-volt batteries, except Type 732, which is 12-volt.



Stock No.	Mfr's Type	EACH	Size	Wt., Lbs.	Replaces	
					Bur-gess	Ray-o-Vac
18 B 5084	509	.92	2½x2½x4½"	1½	F4M	941
18 B 5085	510S	.92	2½x2½x4½"	1½	F4BP	941SC
18 B 5086	510F	.92	2½x2½x4½"	1½	F4SC	941C
18 B 5087	731	1.96	5½x2½x4½"	3½	TW1	918
18 B 5088	732	1.96	5½x2½x4½"	3½	TW1S	.....

HEARING AID AND WATCH BATTERIES

Button-type batteries for hearing aids, small electric watches and as accurate reference voltage sources. Provide higher voltage and greater milliwatt-hour ratings. All are 1½ volts. Av. shpg. wt., 3 oz.



Stock No.	Mfr's Type	Ht. x Dia.	mWhr	PKG. OF 6
18 B 5344	S41	.455x.165"	105	1.62
18 B 5345	S76	.455x.200"	165	1.80

EVEREADY BATTERY MANUAL

Answers every conceivable question concerning each Eveready battery in production. Numerous charts, graphs, and tables. Dimensions, drain data, weights. Over 500 pages. 5½"x8½". Shpg. wt., 1½ lbs. 25 B 7200 E 4.95





EVEREADY

RUGGED LANTERNS AND FLASHLIGHTS

\$6.45

- Lightweight Portable
- Safety Red Flasher
- Less batt.
- Powerful Sealed Beam Lamp

100 LANTERN. Heavy-gauge, chrome plated steel construction. Swivel head, safety red flasher. Sealed beam lamp. Less 731 battery. (See lantern batteries, page 281.)

18 B 5027. Shpg. wt., 2 lbs. 6.45
18 B 5023. As above, but without flasher. 1 3/4 lbs. 4.80



A 9951 MAGNETIZED FLASHLIGHT. 3-way switch, flasher. 18 B 5029. Wt., 1/2 lb. Requires 2 "D" batteries. 1.66

B 116 SWIVEL LITE. New! Light it up—it lights. Swings full 360°. Preloaded with battery (#509). 3 lbs. 3.98
18 B 5100. 3.98

C 108 LANTERN. Lightweight polyethylene. Up front switch, lamp. Requires 509 Battery (sold on page 281).
18 B 5022. Shpg. wt., 1 lb. 2.53



IGNITION/HOBBY BATTERIES

Reliable batteries designed especially for model planes, radio control, general ignitions, etc. 711 and E97S can be used with glow plugs. All have screw terminals.

Stock No.	Type	Size	Wt.	EACH
18 B 5056	E97S	1 1/2 x 5 1/2"	9 oz.	.73
18 B 5057	711	2 1/2 x 2 1/2 x 4 1/2"	13 oz.	.79
18 B 5058	735	2 1/2 x 2 1/2 x 4 1/2"	1 lb.	.84
18 B 5094	6 Ign.	6 1/2 x 2 1/4" dia.	2 lbs.	.91
18 B 5095	6 C. L.	6 1/2 x 2 1/4" dia.	2 lbs.	.91
18 B 5096	6 R.R.	6 1/2 x 2 1/4" dia.	2 lbs.	.94

CORDLESS CLOCK BATTERIES

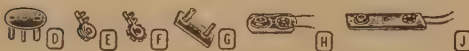


Size "D" Size "C"

- Extra Dependable Extra Long-Life
- Sealed in Freshness—Ready to Use

Specifically designed for the special requirements of battery powered transistor clocks. 1 1/2 volt. Sizes: T35, "C"; T50, "D". Shpg. wt., 2 oz.
18 B 5073. Type T35. Each .39
18 B 5074. Type T50. Each .48

CINCH-JONES BATTERY PLUGS



Quality plugs for "A", "B" and various other battery types. Manufactured to high standards for dependable long-term service. Av. shpg. wt. per package, 1 oz. 2 per package.

Stock No.	Type	Fig.	For Burgess Battery	For Eveready	PKG/2
18 B 5178	5A1	D	2F, 4F, 6F, 8F, 2D, 8R	720, 960P	.12
18 B 5180	5A5	D	B5, C5, J5	717	.18
18 B 5176	5B1A	E	X15, X22, XX30P1	425P, 433P	.12
18 B 5310	5B2-1	...	A30, B30, M30, W30P1, Z30, 10308P1	W-359	.15
18 B 5181	5AB2	...	2TX, X40	729, W369	.12
18 B 5177	5AB1-1	...	6TA60, 4T260	226, 707,	.17
18 B 5301	5M	F	P6,D5, P6M, M6	467, 206,	
18 B 5302	5F	E	XX45, XX30, XX50, K45, P45, P45M, P60, D6, 4D4, N60X, C6X	455, 477, 457, 437, 495	.09
18 B 5175	5A4	G	2F4, F4P1, XX15, XX22, X30P1	415, 216, E146	.12
18 B 5184	5D	H	U40, 20, 2N6, UX45	477, 479	1.39
18 B 5307	5D1	J	XX50, P45, P45M, P60, N60X, C6X	457	.79
18 B 5309	5MFA	J	XX45, XX30, K45		.67

Allied keeps in stock and ready for immediate shipment a wide variety of high-quality batteries. If you need a battery that is not listed, Allied will supply it for you. Simply write for information.

BURGESS SAFARI LITE



\$12.45

- Use with Battery or AC
- Big 12-in. Fluorescent Tube
- Less batts.
- Easy-On-The-Eye Brightness

Now—a portable, flameless fluorescent light that provides safe, comfortable light wherever you need it. Ends filling, pumping, priming, etc. Just flip a switch for instant brightness. Operates for only a few cents per hour. Use with batteries or 110 VAC. Size 4x7x4x12 3/4".
18 B 5148. Shpg. wt., 4 1/4 lbs. 12.45
18 B 5143. 246 Batts. 6 1/4 lbs. Pkg. 2/5.86



Use with two Z4 Batteries or plug into any 110-120 VAC outlet



BURGESS DRY BATTERIES

Long-life batteries for radio and hobby use. Made to high standards and fully inspected to ensure quality. Type numbers ending with letter "PI" indicate plug-in type terminals; type numbers ending with "SC" have spring clip terminals. "BP" have binding post terminals.

"A" BATTERIES

Stock No.	Mfr's Type	EACH	Volts	Size	Wt.
18 B 5051	2D	1.15	1 1/2	2 1/2 x 1 1/2 x 2 1/2"	1
18 B 5001	2F	1.22	1 1/2	2 1/2 x 1 1/2 x 2 1/2"	1
18 B 5110	2F2H	1.75	3	2 1/2 x 2 1/2 x 4 1/2"	1
18 B 5033	2F2BP	5.35	3	5 1/2 x 3 1/2 x 4 1/2"	2
18 B 5002	2F4	2.87	6	4 x 2 1/2 x 5 1/2"	2
18 B 5030	2FH (2FBP)	.79	1 1/2	2 1/2 x 1 1/2 x 4 1/2"	1
18 B 5585	222P1	1.13	3	1 3/4 x 1 3/4 x 2 1/2"	1
18 B 5003	4F	1.15	1 1/2	2 1/2 x 2 1/2 x 4 1/2"	1
18 B 5115	4FH	.84	1 1/2	2 1/2 x 2 1/2 x 4 1/2"	1
18 B 5034	422	.79	3	1 1/2 x 2 1/2 x 2 1/2"	1
18 B 5026	432	.87	4 1/2	1 3/4 x 2 1/2 x 2 1/2"	1
18 B 5091	532	1.36	4 1/2	2 1/2 x 1 1/2 x 2 1/2"	1
18 B 5595	6F	2.69	1 1/2	4 1/2 x 2 1/2 x 4 1/2"	2
18 B 5004	8F	2.76	1 1/2	3 1/2 x 2 1/2 x 5 1/2"	2
18 B 5046	8K	.87	1 1/2	3 1/2 x 1 1/2" dia.	1
18 B 5047	910	1.13	1 1/2	3 1/2 x 1 1/2" dia.	1
18 B 5011	F2BP	1.33	3	2 1/2 x 1 1/2 x 4 1/2"	1
18 B 5009	4FBP	.92	6	2 1/2 x 2 1/2 x 4 1/2"	1
18 B 5007	F4PI	1.15	6	2 1/2 x 2 1/2 x 4 1/2"	1
18 B 5008	G3	1.57	4	4 1/2 x 1 1/2 x 4 1/2"	1

"B" BATTERIES

18 B 5557	1038SC	7.30	45	8 1/2 x 4 1/2 x 7 1/2"	12
18 B 5555	21038SC	7.50	45	8 1/2 x 4 1/2 x 7 1/2"	13
18 B 5558	2308SC	7.10	45	8 1/2 x 2 1/2 x 7 1/2"	7
18 B 5560	4156	1.61	22 1/2	3 1/2 x 2 1/2 x 4 1/2"	1
18 B 5561	5156PI	4.16	22 1/2	4 1/2 x 2 1/2 x 2 1/2"	1
18 B 5562	5156SC	4.16	22 1/2	4 1/2 x 2 1/2 x 2 1/2"	1
18 B 5559	5308	3.08	45	4 1/2 x 2 1/2 x 5 1/2"	1
18 B 5573	W30PI	5.06	45	3 x 1 1/2 x 3 1/2"	1
18 B 5572	Z30	2.76	45	3 x 2 1/2 x 4 1/2"	1
18 B 5567	W30BPX	6.05	45	3 x 1 1/2 x 3 1/2"	1
18 B 5569	Z30NX	2.69	45	3 1/2 x 1 1/2 x 4 1/2"	1
18 B 5571	V45	2.77	67 1/2	2 1/2 x 1 1/2 x 3 1/2"	1
18 B 5577	V60	3.15	90	3 1/2 x 1 1/2 x 3 1/2"	1
18 B 5598	260BP	17.50	90	3 1/2 x 2 1/2 x 5 1/2"	2

"C" BATTERIES

18 B 5583	2370	2.10	4 1/2	3 1/2 x 1 1/2 x 2 1/2"	1
18 B 5584	5540	1.80	7 1/2	4 1/2 x 2 1/2 x 2 1/2"	1
18 B 5568	W5BP	2.05	7 1/2	2 1/2 x 2 1/2 x 3 1/2"	1



KEYSTONE BATTERY HOLDERS

For transistor assemblies, radios, meters, Snap-clips, moistureproof fiber washers, mtg. holes and aluminum alloy, nickel-plated eyelets. *End to end. Wt., 3 oz.

Stock No.	Mfr's Type	Holds	Burgess	Mallory	Eveready	PK	
18 B 5900	104	1	Z, 9R, Y15	RM3R	E3	..	
18 B 5901	139	1		RM12R	E9, E-12	..	
18 B 5902	140	2		TR132R	E133, E502	..	
18 B 5903	171	3		RM502R	915, 1015E, 505	..	
18 B 5904	182	4		ZM-9		1.	
18 B 5906	173	1	}	TR233R	E233, 635	..	
18 B 5907	174	2				935	..
18 B 5908	185	2				912	..
18 B 5909	137	1					..
18 B 5910	138	2	7			..	
18 B 5911	132	1		TR132R, TR115R	E132	..	
18 B 5912	175	1	}	RM42R	D99, A-100	..	
18 B 5913	176	2			2, Z4	724	..
18 B 5914	186	2				950	..
18 B 5915	166	1			U10	411	..

Reliable Mallory Mercury Duracell Batteries

Extremely Long Shelf Life • Uniform Discharge Voltage
Equal for Applications that Demand High Reliability
 Mercury batteries provide more power per unit of weight than any other type. Voltage stability is excellent throughout long operating life, and shelf storage is outstanding. Actually cost less per listening hour

• Extended Operating Life Ensured by Superior Construction
• Self-Venting of TR Types to Release Excessive Gas
 than other batteries in most transistor radios. "T" suffix indicates 1/2" tab on negative terminal; "T2" suffix indicates tabs on both ends. * Indicates capacity in milliamper hours. † With snap terminals.

Stock No.	Mfr's Type	Price	Volts	mAh*	Use	Dia. x Ht. or HWD	Replaces	
							Eveready	Burgess
B 5921	RM1	Pkg. of 2 for 1.14	1.4	1000	Electronic	3/4x2 1/2"	E1	HG1
B 5922	RM1R	Pkg. of 2 for 1.28	1.35	1000	Electronic	3/4x2 1/2"	E1N	HG1R
B 5800	RM1RT	Pkg. of 2 for 1.38	1.35	1000	Electronic	3/4x2 1/2"		
B 5923	RM1RT2	Pkg. of 2 for 1.48	1.35	1000	Electronic	3/4x2 1/2"		
B 5924	RM3R	Pkg. of 2 for 2.10	1.35	2200	Electronic	1x2 1/2"	E3	HG3
B 5925	RM4R	Pkg. of 2 for 2.62	1.35	3400	Electronic	1 1/2x2 1/2"	E4	HG4R
B 5926	RM4RT	Pkg. of 2 for 2.72	1.35	3400	Electronic	1 1/2x2 1/2"		
B 5927	RM4Z	Pkg. of 2 for 2.00	1.4	2400	Electronic	1 1/2x1 1/2"		
B 5928	RM12	Pkg. of 2 for 1.84	1.4	3600	Electronic	3/4x1 1/2"	E12	HG12
B 5929	RM12R	Pkg. of 2 for 2.10	1.35	3600	Electronic	3/4x1 1/2"	E12N	HG12R
B 5930	RM12RT	Pkg. of 2 for 2.20	1.35	3600	Electronic	3/4x1 1/2"		
B 5931	RM12RT2	Pkg. of 2 for 2.30	1.35	3600	Electronic	3/4x1 1/2"		
B 5964	RM24	Pkg. of 2 for 1.06	1.4	1000	Radio AAA	3/4x1 1/2"		
B 5687	RM42R	3.15 each	1.35	14000	Electronic	1 1/2x2 3/4"	E42N	HG42R
B 5801	RM42RT	3.20 each	1.35	14000	Elec. "D"	1 1/2x2 3/4"		
B 5375	RM42RT2	3.25 each	1.35	14000	Electronic	1 1/2x2 3/4"		
B 5950	RM312	Pkg. of 2 for .48	1.4	36	Electronic	2 3/4x1 1/2"	E312	HG312
B 5965	RM400	Pkg. of 2 for .48	1.4	80	Electronic	2 3/4x1 1/2"	E400	HG400
B 5802	RM400RT	Pkg. of 2 for .90	1.35	80	Electronic	2 3/4x1 1/2"	E401	HG401
B 5890	RM401	Pkg. of 2 for 1.00	1.4	800	Electronic	2 3/4x1 1/2"	E401N	HG401R
B 5967	RM401R	Pkg. of 2 for 1.20	1.35	800	Electronic	2 3/4x1 1/2"		
B 5952	RM411	Pkg. of 2 for 4.00	14.0	160	Electronic	1 1/2x3 1/2"		
B 5953	RM412	Pkg. of 2 for 5.52	22.0	160	Electronic	1 1/2x3 1/2"		
B 5954	RM413	Pkg. of 2 for 6.92	28.0	160	Electronic	1 1/2x3 1/2"		
B 5955	RM415	Pkg. of 2 for 10.20	42.0	160	Electronic	1 1/2x3 1/2"		
B 5957	RM502R	Pkg. of 2 for 1.74	1.35	2400	Electronic	1 1/2x1 1/2"	E502	HG502R
B 5042	RM575	Pkg. of 2 for .48	1.4	100	Radio	.455x.129"		
B 5969	RM625	Pkg. of 2 for .84	1.4	250	Electronic	3/4x1 1/2"	E625	HG625
B 5961	RM625R	Pkg. of 2 for 1.06	1.35	250	Electronic	3/4x1 1/2"	E625N	HG625R
B 5959	RM625RT2	Pkg. of 2 for 1.26	1.35	250	Electronic	3/4x1 1/2"		
B 5803	RM630R	Pkg. of 2 for 1.06	1.35	250	Electronic	3/4x1 1/2"		
B 5892	RM640	Pkg. of 2 for .84	1.4	500	Electronic	3/4x1 1/2"	E640	HG640
B 5971	RM640R	Pkg. of 2 for 1.06	1.35	500	Electronic	3/4x1 1/2"	E640N	HG640R
B 5960	RM640RT2	Pkg. of 2 for 1.26	1.35	500	Electronic	3/4x1 1/2"	E640NT2	HG640RT2
B 5899	RM675	Pkg. of 2 for 1.92	1.4	160	Electronic	3/4x1 1/2"	E675	HG675
B 5804	TR112	Pkg. of 2 for 3.14	2.8	350	Electronic	2 1/4x1 1/2"		
B 5893	TR113R	Pkg. of 2 for 3.44	4.05	250	Electronic	2 1/4x1 1/2"	E113	H113R
B 5805	TR114R	Pkg. of 2 for 3.70	5.4	250	Electronic	2 1/4x1 1/2"		
B 5972	TR115	Pkg. of 2 for 4.12	7	350	Dictating	2 1/4x1 1/2"	E115	
B 5896	TR115R	Pkg. of 2 for 4.12	6.75	250	Electronic	2 1/4x1 1/2"	E115N	
B 5806	TR118	Pkg. of 2 for 5.60	11.2	350	Medical	2 1/4x2 1/2"		
B 5897	TR126	Pkg. of 2 for 2.60	8.4	600	Radio	2 1/2x2	E126	H126
B 5973	TR132	Pkg. of 2 for 1.0	2.8	1000	Paging	2 1/4x1 1/2"	E132	
B 5898	TR132R	Pkg. of 2 for 2.34	2.7	1000	Electronic	2 1/4x1 1/2"	E132N	H132R
B 5883	TR133	Pkg. of 2 for 2.64	4.2	1000	Radio/Pag.	2 1/4x2 1/2"	E133	H133
B 5932	TR133R	Pkg. of 2 for 2.70	4.05	1000	Radio/Pag.	2 1/4x2 1/2"	E133N	H133R
B 5807	TR134	Pkg. of 2 for 3.14	5.6	1000	Gar. Door	2 1/4x2 3/4"		
B 5933	TR134R	Pkg. of 2 for 3.44	5.4	1000	Electronic	2 1/4x2 3/4"	E134N	H134R
B 5808	TR134T2	Pkg. of 2 for 3.34	5.6	1000	Electronic	2 1/4x2 3/4"		
B 5809	TR135	Pkg. of 2 for 4.12	7.0	1000	Gar. Door	2 1/4x3 1/4"		
B 5934	TR135R	Pkg. of 2 for 4.00	6.75	1000	Electronic	2 1/4x3 1/4"	E135N	H135R
B 5978	TR136R	Pkg. of 2 for 4.54	8.4	1000	Electronic	2 1/4x3 3/4"	E136	H136R
B 5935	TR136R	Pkg. of 2 for 4.80	8.1	1000	Electronic	2 1/4x3 3/4"	E136N	H136R
B 5985	TR137R	Pkg. of 2 for 5.52	9.45	1000	Electronic	2 1/4x3 3/4"	E137R	H137R
B 5810	TR145	Pkg. of 2 for 3.44	7	250	Electronic	2 1/4x1 1/2"		
B 5884	TR146X	Pkg. of 2 for 2.64	8.4	585	Radio	1 1/2x2 1/2x2 1/2"	E146	H146
B 5986	TR152	Pkg. of 2 for 1.74	2.8	350	Electronic	1 1/2x1 1/2"	E152	
B 5938	TR153R	Pkg. of 2 for 2.70	4.05	350	Electronic	1 1/2x1 1/2"	E153N	H153R
B 5940	TR163	Pkg. of 2 for 2.62	5.0	500	TV Tuner	2 1/4x1 1/2"	E163	H163
B 5885	TR164	Pkg. of 2 for 2.64	5.6	500	Radio	2 1/4x1 1/2"	E164	H164
B 5988	TR164R	Pkg. of 2 for 3.14	5.4	500	Electronic	2 1/4x1 1/2"	E164N	H164R
B 5941	TR165	Pkg. of 2 for 3.40	7.0	500	TV Tuner	2 1/4x2 1/2"	E165	H165
B 5812	TR165R	Pkg. of 2 for 3.80	6.75	500	Electronic	2 1/4x2 1/2"		
B 5942	TR169	Pkg. of 2 for 7.00	12.6	500	Electronic	1 1/2x3 1/2"	E169	
B 5887	TR177	Pkg. of 2 for 2.64	9.8	160	Radio	1 1/2x2 1/2"	E177	H177
B 5888	TR233	Pkg. of 2 for 2.68	4.2	2200	Radio	1 1/4x1 1/2"	E233	H233
B 5811	TR234R	Pkg. of 2 for 5.24	4.05	2200	Electronic	1 1/4x1 1/2"		
B 5360	TR234R	3.15 each	5.6	2200	Electronic	1 1/4x1 1/2"	E234	
B 5943	TR235R	Pkg. of 2 for 7.34	6.75	2200	Electronic	1 1/4x2 1/2"	E235N	
B 5991	TR236R	Pkg. of 2 for 8.30	8.1	2200	Electronic	1 1/4x3 1/4"	E236N	
B 5889	TR286	Pkg. of 2 for 2.70	8.4	750	Radio	1 1/4x3 3/4"	E286	
B 5944	TR289	Pkg. of 2 for 12.6	12.6	750	CB Radio	1 1/2x3 3/4"	HG9	
B 5813	TR431	Pkg. of 2 for 5.40	11.2	1000	Dictation	1x2 7/8"		
B 5814	ZM9	Pkg. of 2 for 1.28	1.4	2400	Radio	1/2x3 3/4"	E9	HG9
B 5881	ZM12	.92 each	1.4	3600	Clock	3/4x2"		

LONG-LASTING BATTERIES FOR SPECIAL APPLICATIONS

ALKALINE DURACELL BATTERIES

NEW!

LOW-COST RECHARGEABLE ALKALINE BATTERIES

Provide high flash currents for use with photoflash, lighting equipment and other electronic devices. Have longer lighting life than ordinary batteries, with excellent voltage stability. Double steel case and welded seal. Design provides long shelf storage life with excellent charge retention. Av. wt., 3 oz.

NEW!

Ideal for use in portable TV, record players, radios and other electronic devices. Offer an economical means of providing rechargeable power. Maintain an exceptionally high degree of stability. Not intended as substitutes for other rechargeable batteries. Special charging and low voltage protection circuits are required. Available in three sizes: AA, C, and D.

Stock No.	Mfr's Type	Cell Size	Volts	Price
B 55128	MN1300B	C	1.5	.50 ea.
B 55130	MN1400B	D	1.5	.39 ea.
B 55131	MN1500B	AA	1.5	2 for .66
B 55132	MN1604B	.....	9.0	.84 ea.
B 55133	MN2400B	AAA	1.5	2 for .66
B 55134	MN9100B	N	1.5	2 for .54

Stock No.	Type/Size	Diameter x Height	Volts	Wt., Oz.	EACH
B 5815	SA13D	1.3x2.367"	1.5	5	1.00
B 5816	SA14C	1.01x1.94"	1.5	2 1/2	.81
B 5817	SA15AA	0.55x1.94"	1.5	1	.52



TR146X



TR133



ZM9



RM412R



RM640



RM625



MN1300



SA13D

Power Supplies, Inverters and Battery Chargers



1030-W TWO-OUTPUT SUPPLY

General-purpose power supply offers two independent, continuously variable regulated DC outputs, plus two unregulated filament voltages. 0-150 VDC at 2 mA and 0-400 VDC up to 150 mA. Regulated to $\pm 0.33\%$ or 0.3V, whichever is higher, to 100 mA. Ripple, less than 3 mV rms. Filament, 6.3 and 12.6 V at 3 amps. Voltmeter, ammeter, standby switch for instant turn-on. 13x 8 1/2 x 7". 110-120 V, 50-60 Hz AC. 21 lbs. 21 B 4491 K, \$5 Monthly.....99.95
21 B 4492 K, 1030-K, Kit Form.....59.95

EICO POWER SUPPLIES



MODEL 1020-W SOLID-STATE POWER SUPPLY

- Fully Transistorized
- 0-30 Volt Output
- Cascaded Filter

DC power and bias supply with variable output to 30 V. Dual-range ammeter (0-6 V, 0-30 VDC). Max. cont. output: 150 mA, 0-12 V; 200 mA, 12-24 V; 330 mA, 24-30 V. Full-wave silicon rectifier with electrolytic input filter; 2 power transistors in cascaded filter. .005% max. ripple, full load. Fused. 5x4x5 1/2". 105-125 V, 60 Hz AC. 4 1/2 lbs. 21 B 4121, \$5 Monthly.....34.95
21 B 4122, 1020-K Kit Form.....25.95



1078-W METERED AC SUPPLY

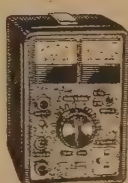
Lab-type supply with adjustable output of 0-140 volts AC, from 120 volt AC input, up to 1 1/2 amps. Dual-range ammeter (0-2 1/2 and 0-7 1/2 amps) can be switched while unit is under load. Variable autotransformer (toroidal core design) and ammeter are fuse protected. Steel case, 8 1/2 x 5 1/2 x 7". For 105-125 V, 60 Hz AC. Shpg. wt., 16 lbs. 21 B 4123 X, \$5 Monthly.....69.95
MODEL 1078-K, Same as above, but easy-to-build kit form. 21 B 4124 X, \$5 Monthly.....49.95

MODEL 1060-W BATTERY CHARGER-ELIMINATOR



Operates 6 or 12-V auto radios, including transistor types. Has high-capacity electrolytic smoothing filter. Voltage adjustment is by variable transformer. Low range: 0-8 V at 10 amps cont., 20 amps intermittent; 1-5% ripple at 2 amps, 2% at 6 amps. High range: 0-16 V at 6 amps cont., 10 amps intermittent; 0.3% ripple at 2 amps, 1.5% at 10 amps. Steel case, 8 1/2 x 10 1/2 x 7 1/2". 105-125 V, 60 Hz AC. Wt., 19 lbs. 21 B 4125 X, \$5 Monthly.....52.95
21 B 4126 X, 1060-K, Kit Form.....42.95
MODEL 1050-W ELIMINATOR. For 6 and 12 V tube radios. As above, less smoothing filter. 21 B 4127 X, Wt., 15 lbs. \$5 Monthly.....42.95
21 B 4128 X, 1050-K, Kit Form.....32.95

MODEL 1064-W BATTERY CHARGER-ELIMINATOR

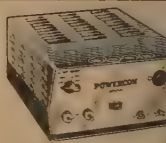


Delivers low-ripple DC necessary to service transistorized equipment. Has extra-heavy-duty selenium rectifiers. LC filter circuit boasts in-core choke and dual 5000 μ F electrolytic capacitors. Provides two DC voltage ranges: 0-8 V, 10 amps cont., 20 amps intermittent; 0-16 V, 10 amps cont., 10 amps intermittent. Ripple: 0-16 V at 6 amps; 0-8 V, 4-5% at 10 amps. Separate voltmeter and ammeter monitor voltage and current separately. Ammeter range automatically switches over to voltage range. 8 1/2 x 7 1/2". 105-125 V, 50-60 Hz AC. 15 lbs. 21 B 4119 X, \$5 Monthly.....59.95
MODEL 1064-K, As above, but in kit form. 21 B 4120 X, \$5 Monthly.....49.95



A DC-TO-AC INVERTERS WITH SQUARE WAVE OUTPUT

Vibrator-type inverters start instantly. Output is 115 volts, 60 Hz with excellent stability even under varying loads. High capabilities for intermittent overloads; wattage figures for intermittent use are rated for power factors from 70 to 100%. Superior filtering for excellent performance with TV, shortwave, FM receivers. Conservatively rated. Fig. A except *without finger holes.



Stock No.	Mfr's Type	Typical Applications	Input VDC	Watts		Size	Wt. Lbs.	EACH
				Cont.	Int.			
21 B 4493	12SP2A	Shaver only, intermittent duty	12	—	20	3 1/2 x 2 1/2 x 2 1/2"	2	8.54
21 B 4413	12A4*	Test gear, dictaphones, phonos, shavers	12	40	50	6 1/2 x 4 1/2 x 3 1/2"	6	19.03
21 B 4415 X	12B8	Small recorders & TV sets, stereo amplifiers	12	80	100	8 1/2 x 4 1/2 x 3 1/2"	12	36.29
21 B 4416 X	12B10	Office machines, calculators, typewriters	12	100	125	8 1/2 x 5 1/2 x 3 1/2"	14	37.88
21 B 4417 X	12TV12	Up to 11" TV, radios, phonos, appliances	12	120	140	8 1/2 x 5 1/2 x 3 1/2"	16	39.95
21 B 4418 X	12D15	Small induction soldering guns, office machines	12	150	175	10 1/2 x 9 1/2 x 5 1/2"	26	63.57
21 B 4419 K	12D22	Multi-use: camp trailer, small tools, CB, TV	12	220	250	10 1/2 x 9 1/2 x 5 1/2"	31	72.66
21 B 4420 K	12A4*	Aircraft, marine, others using 28 VDC	28	150	175	10 1/2 x 9 1/2 x 5 1/2"	26	73.50

21 B 4431, RK-112 Remote Control. For all of above except 12SP2A, 12A4. Wt., 1 lb.....7.25

B DC-TO-AC INVERTERS WITH REGULATED SINE-WAVE OUTPUT

Similar to above, but have added reactor and capacitors to form true sine-wave output indistinguishable from commercial power. May be used portable or permanently mounted. Automatic load regulation; extremely low hum.

21 B 4421 K	12DSW10	Like utility power; any PF load above 25%	12	100	125	10x9 ⁷ / ₈ x5 ¹ / ₂ "	22	64.95
21 B 4422 K	12ESW25	SSB, large PA systems, 100-watt amplifiers	12	250	300	12x9 ⁷ / ₈ x5 ¹ / ₂ "	31	101.95

UNIVERSAL ALL-PURPOSE DC-TO-AC INVERTERS

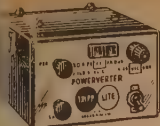
Ruggedly constructed, exceptionally stable inverters for operating 115-volt, 60 Hz equipment from DC. For loads having power factors in excess of 70%. Not recommended for large motor-driven appliances such as refrigerators, washers, etc. All have on switches. Gray hammered metal case with strap. Sizes: RSF, 8 1/2 x 9 1/2 x 5 1/2"; RH, 6 1/2 x 11 1/2 x 8 1/2"; HSJ, 6 1/2 x 12 1/2 x 8 1/2". With battery clips; model with "P" suffix auto dash cord. *24-volt. Check wattage of equipment before ordering.



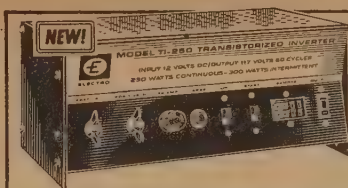
Great for Campers and Outdoorsmen... Convert DC voltage to 110-volt AC for operating electric razors, portable TV, and other devices.

Stock No.	Mfr's Type	Input DC Volts	Output V	Watts		Wt. Lbs.	EACH
				Cont.	Inter.		
21 B 4387 K	6U-RHG	6	110	125	150	27	73.50
21 B 4388 K	12U-RSF	12	110	100	125	22	55.00
21 B 4389 K	12U-RSF-P	12	110	100	125	22	55.00
21 B 4390 K	12U-RHG	12	110	150	175	27	73.50
21 B 4391 K	12U-HSJ	12	110	200	250	37	91.50
21 B 4392 K	28U-RHG*	28	110	150	175	27	87.50
21 B 4393 K	50U-RSF	50	110	100	150	22	66.00
21 B 4394 K	110U-RSF	110	110	150	250	22	55.00
21 B 4395 K	110AU-RHG	110	110	250	325	27	65.00
21 B 4396 K	110U-HSJ	110	110	400	600	37	103.50

DC-to-AC Power Inverters for ALL Applications



TRIPLITE
**SOLID-STATE
INVERTER AND
DC POWER SUPPLY**



A Model PV-150

B Model PV-200B

MODEL PV-150—150 WATTS. 2-transistor, low-cost inverter brings regular 115-volt AC house current to all vehicles. Converts 12-volt C to 115-volt, 60 Hz AC; delivers 150 watts continuously, 175 watts intermittently (5 minutes). Includes on-off switch plus replaceable fuse, ruggedly constructed for shock resistance. Anodized heat sink; all metal parts painted for resistance to weather and corrosion. 3 1/2 x 5 x 5 1/2 inch case and mtg. studs. Shpg. wt., 5 1/2 lbs.

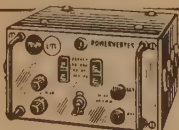
B 4432. \$5 Monthly.....39.95

MODEL PV-200B—200 WATTS. Has same features as Model PV-150 above, but continuously delivers 200 watts; in intermittent use, 250 watts. In addition, incorporates 4 power transistors and exclusive "power-boost" circuit that permits higher bursts of power for heavy, short duration jobs such as starting motor-type appliances. Includes battery charger. Size, 3 1/2 x 5 x 5 1/2. With fuse and mounting studs. Shpg. wt., 6 lbs.

B 4433. \$5 Monthly.....49.95

HEAVY-DUTY 400-WATT DC-TO-AC POWER INVERTER

- Dependable 400-Watt Continuous-Duty Performance
- Reliable Solid-State Static Design
- Utilizes 8 Power-Switching Transistors
- Includes Battery Charge Indicator



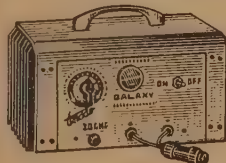
MODEL PV-400B. Fully transistorized to meet exacting heavy-duty requirements. Ideal for instant AC power where fast emergency service is needed. 400-watt continuous output, 450-watt intermittent (5 minutes) load; capable of 500-watt instantaneous power surge. Assures hash-free TV and AM-FM reception without interference. Built-in rack handles. With fuses. Size, 4 x 7 x 6 1/2.

21 B 4434 X. Shpg. wt., 13 lbs. \$5 Monthly.....99.95

MODEL PV-400FC. Above, but with frequency-control for constant 60-Hz AC for operating tape recorders, phonos.

21 B 4495 U. Shpg. wt., 15 1/4 lbs. \$8 Monthly.....149.99

POWER INVERTERS AND BATTERY CHARGERS



SOLID-STATE POWER INVERTERS

convert 12 volts DC to 117 volts, 60 Hz AC. Automatic frequency control maintains output within 1/2 cycle of 60 Hz for operating tape recorders, phonos. A—10 3/4 x 6 x 6 1/2; —12 1/2 x 6 x 6 1/2; C—10 3/4 x 13 x 7 1/4.

Stock No.	Mir's Type	Capacity Cont. Intr.	Size	Wt. Lbs.	EACH
B 4499	50-205	140	175 A	10 3/4	36.76
B 4500	50-170	125	150 A	10 3/4	32.96
B 4501 K	50-129	275	300 B	20	74.25
B 4487 K	50-175	150	175 A	21	76.67
B 4502 K	50-128	450	500 B	20	97.17
B 4383 K	50-201	150	175 A	20	100.51
B 4384 K	50-200	175	200 A	21	114.53
B 4382 K	50-191	275	300 A	30	153.13
B 4381 Z	50-202	550	600 C	60	307.77

MODEL PV-116

"SENIOR" INVERTER

For 12-V Batteries
40 Watts Constant
50 Watts Intermittent

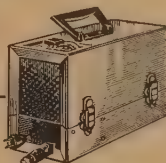


Plugs into 12-volt cigarette lighter on dash. Aluminum case with copertone baked enamel. AC plug-in receptacle on front. 1 1/2 x 2 1/2 x 1 1/2. Shpg. wt., 3 lbs.

B 4484.....18.47

"TRAV-ELECTRIC" WITH BATTERY AND CHARGER

SELF CONTAINED
60-HZ AC
POWER SOURCE



MODEL 50-160. A truly portable source of electricity, ready to go where and when you choose with built-in battery and charger. Inverter delivers 125 watts of AC for portable TV, hi-fi, lights, appliances. Battery can be recharged from any AC outlet, or from auto cigarette lighter while enroute. One charge runs portable TV 3 to 4 hours.

"Travel-Electric" comes complete with storage battery, inverter, charger, easy-to-read battery condition meter and heavy copper-clad steel carrying case. Size, 12 x 5 1/2 x 8. Supplies 125 watts continuously, 175 watts intermittent. Shpg. wt., 30 lbs.

21 B 4503 K. \$5 Monthly.....60.63

"SUPREME" DC-AC INVERTER

- Remote Control
- Variable Output
- Signal Light
- Frequency Filter



MODEL 50-153. For 12-volt DC only. 175 watts constant, 200 watts intermittent. Copper-clad ventilated steel case. With battery cables. Filtered for tape recorders. 10 3/4 x 6 x 6 1/2. Shpg. wt., 25 lbs.

21 B 4488 K. \$5 Monthly.....84.07

NEW!

terado



MARK I INVERTER/CHARGER

- Delivers 450-500 Watts of AC Power
- Charges Batteries of Up to 20 Amps
- Efficient Solid-State Circuit

MODEL 50-131. Now you can enjoy the luxury and convenience of using your electrical appliances anywhere. Provides full 450 to 500 watts of 117 volt AC power from any 12-volt storage battery. Lets you operate a wide variety of appliances—radios, TV, tools, shavers, lights, recorders, hi-fi—in car, trailer or boat.

The Mark I also charges 12-volt batteries from 117-volt AC source. Charges at 20 amp or 10-amp rate, or at a low trickle charge. Meter indicates charging rate.

Rugged solid-state circuit provides 450 watts continuously, or 500 watts intermittently. AC output receptacle on front panel. Fuse protected. Carrying handle for easy portable use. Compact, sturdy metal case, 6 x 12 x 6 1/2. Shpg. wt., 21 lbs.

21 B 4265 K. \$5 Monthly.....104.50

MODEL 50-132 MARK II. Same as above but rated 275 watts continuous, 300 watts intermittent. Shpg. wt., 21 lbs.

21 B 4266 K. \$5 Monthly.....89.50

Rotron Cooling Fans

COMPACT SPRITE® FAN—33-CFM



- Very Small, Only 3 1/2" Square x 1 1/2" Deep
- Fits 3 1/2" Panel Height in Relay Racks
- Ambient Temp. Range, —20° to +140° F

Perfect for any application requiring 33-cfm (free delivery). Unusually small size makes it ideal where space is at a premium. Fits 3 1/2" panel height in relay racks. Applications include: power supplies, transmitters and receivers, digital voltmeters, office copying machines, paper-tape equipment, counters, printers, etc. Easily mounted with holes in barrel flanges. Quiet—only 35-dB noise level. Venturi, spiders, and motor mounting are combined in a single aluminum diecasting. Has 9-blade molded propeller made of high-impact polycarbonate. Airflow is easily reversed by turning fan end-for-end. Life up to 5 years. Order accessories below. For 115 volts, 50-60 Hz AC. Shpg. wt., 14 oz.

60 B 6764,	Each	14.50
60 B 6765, Finger Guard for Above, Wt. 8 oz.	Each	.60
60 B 6766, Plug and Cord for Above, Wt. 5 oz.	Each	.90
60 B 8618, Oiler Kit for Above, Wt., 6 oz.	Each	2.50
60 B 8617, Lubricant for Above, Wt., 3 oz.	Each	1.25

LOW-COST SKIPPER® FAN—100-CFM



Provides really economical cooling. Ideal for computers, vending machines, and general electronic equipment. Delivers 100 cfm (free delivery) at ambient temperatures up to 140° F. Only 5 1/2" diameter by 1 1/2" deep. Bearing heat sink helps keep motor cool. Quiet—only 38-dB noise level. Airflow reversible. No mounting holes required—mounts with just a retaining ring. Rugged polypropylene venturi; aluminum motor and spiders. Life in excess of 5 years. For 115 volts, 60 Hz AC. Shpg. wt., 15 oz.

60 B 9766, SKP-4 Skeleton Fan, Less Venturi.	Each	7.40
60 B 8715, SKR-4 Venturi Fan with Frame.	Each	7.90

ACCESSORIES FOR MUFFIN AND WHISPER FANS

60 B 8613, Type 15449 Filter Fan Conversion Kit. Includes filter, frame and clips. Shpg. wt., 1/4 lb.	Each	2.50
60 B 8614, Type 16238 Standard Spiral Grille, 3 oz.	Each	.80
60 B 9401, Type 17826 Expanded Metal Grille, 3 oz.	Each	.80
60 B 8615, Type 13998 Mounting Clips, 2 oz.	Per Pair	.20
60 B 9268, Type 20132-2 Finger Guard, 2 oz.	Each	.50

TARZAN® FAN—350-CFM

- Designed for Solid-State Components
- Provides Reversible Air Flow



Unique axial fan designed for cooling tightly-packed electronic cabinets. Radical departure in fan design provides centrifugal-blower performance in an axial-flow fan. Ideal for solid-state components, densely-packed relay-rack communications equipment, compact air-liquid heat exchangers, and other uses. Airflow is reversible. Ambient temperatures to 131° F. Life to 3 years at 120° F. Phenolic venturi; diecast aluminum spiders; polycarbonate 5-blade propeller; double-shielded motor bearings, lubricated for life. Ventilated impeller hub insures positive cooling of motor. Mounts easily with holes in venturi. Only 6 1/2" square by 4 1/2" deep. For 115 volts, 50-60 Hz AC. Shpg. wt., 5 lbs.

60 B 8717, Type TN382 Tarzan Fan with Solder Terminals	Each	42.45
60 B 8718, Type TN3D2 Tarzan Fan with 11" Leads.	Each	41.80
60 B 8719, Type 21196 Guard, Protects fan blades. Use for either inlet or outlet. 4 oz.	Each	1.50
60 B 6874, Type 20990 Filter Box, 1 lb.	Each	9.35
60 B 8800, Type 17555 Plug and Cord Set. For Model TN3B2T Tarzan Fan, with terminal connections. 2 oz.	Each	.60
60 B 6873, Type 18440, Filtercoat, 3 oz.	Per Can	1.00

LIGHTWEIGHT SENTINEL® FAN—100-CFM



- Very Thin, 4 1/8" Square x 1 1/2" Deep
- Pre-lubricated Bearings, No Maintenance
- Ambient Temperature Range to 100° C

Lightweight fan with heavyweight stamina and power. For those ultra-rugged applications where heat and the avoidance of lubrication are major factors. Weighs only 1 pound and measures only 4 1/8" square by 1 1/2" deep, yet delivers 100 cfm at ambient temperatures to 100° C. Provides real powerhouse performance and an exceptionally long, trouble-free life. Meets MIL-E-

LONG-LIFE GOLD SEAL MUFFIN® FAN—100-CFM



- Extremely Thin, 4 1/8" Square x 1 1/2" Deep
- Quiet, Highly Efficient Air Mover
- Advanced Bearing System Gives Longer Life

Cools, directs heat, or ventilates at low cost. Excellent for computers, office machinery, electronic equipment, and other applications. Noise level reduced to only 40 dB free air delivery for quiet operation. Airflow is reversible by turning fan end-for-end. Ambient temperature range: 0° to 160° F.

60 B 8599, Skeleton Fan.	Each	1.50
60 B 8597, Venturi Fan with Frame, 15 oz.	Each	1.50
60 B 8596, Grille Fan with Frame, Grille, 1 1/4 lbs.	Each	1.50
60 B 8598, Filter Fan with Frame, Grille, Filter, 1 1/4 lbs.	Each	1.50

SUPER-QUIET WHISPER® FAN—65-CFM

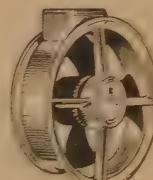


Silent operation makes the Whisper Fan ultimate when noise must be minimized. 18-dB noise level makes it ideal for offices, hi-fi consoles, Ham gear, sound systems, other noise-sensitive devices. Reversible flow. Compact—only 4 1/8" square by 1 1/2" deep. High-impact, flame retardant, black nylon frame. Encapsulated bus-bar leads solder terminals provide maximum resistance to humidity. Advanced bearing system relative slow speed (1800 rpm nominal) a long life. Draws only 7 watts. Includes 2 spring-steel mounting clips. U.L. Listed. For 115 volts, 50-60 Hz AC. Shpg. wt., 1 lb.

60 B 8400, Skeleton Fan.	Each	1.50
60 B 8611, Venturi Fan with Frame, 1 lb.	Each	1.50
60 B 8610, Grille Fan with Frame, Grille, 1 1/4 lbs.	Each	1.50
60 B 8612, Filter Fan with Frame, Grille, Filter, 1 1/4 lbs.	Each	1.50
16 B 2031, "Whisper" Fan Kit with Cord & Plug, 2 oz.	Each	1.50

60 B 8616, Type 16415 Plug and Cord Assembly, 2 oz.	Each	1.50
60 B 8619, Type 15448 Filter Cart, for Muffin Fan, 2 oz.	Each	1.50
60 B 7071, Type 18440 Filtercoat for Above Cart, 3 oz. Per Can	Per Can	1.00
60 B 7072, Type 13967 Filter Frame, 2 oz.	Each	1.50
60 B 8618, Type 12555 Oiler Kit, 6 oz.	Each	1.50
60 B 8617, Type 15263-4 Lubricant for Oiler Kit, 3 oz.	Each	1.50

LIGHT FEATHER® FAN—270-CFM



- Stainless Steel Bearings
- Draws Only 22 Watts

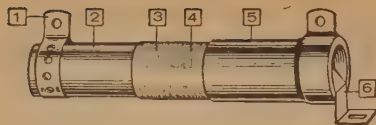
TYPE 103. Moves large volume of air in tight spaces requiring a shallow fan. Excellent for computer consoles, relay power supplies, heat exchangers, and devices. Ambient temperature range: to +65° C. Pre-lubricated miniature 1/2" steel ball bearings. Full 270 cfm delivery. Clamping rim mounting provides reversible airflow. Tinned brass term High-impact, fungus-proof, two-tone Lexan plastic. Only 7" dia. by 2 1/2" deep. Interchangeable with Sauer Fan. For 115, 50-60 Hz AC. U.L. Listed. Shpg. wt., 2 lbs.

60 B 8593, Type 103 Feather Fan.	Each	1.50
60 B 7246, Type 124110 Filter Box, 1 lb.	Each	1.50
60 B 8591, Type 14539 Rim-Mount Guard, For rim-mounting 103 fan. Provides reversible air flow 4 oz.	Each	1.50
60 B 8592, Type 14651 Panel-Mount Guard, For panel-mounting 103 fan. (Use with Clips below) 4 oz.	Each	1.50
60 B 7247, Type 16410 Mounting Clamps, Uses 3, 2 oz.	Each	1.50
60 B 7070, Type 14611 Panel-Mount Clip, Uses 3 with each p mount guard above, 1 oz.	Each	1.50
60 B 9393, Type 16398 Plug and Cord, 2 oz.	Each	1.50
60 B 7071, Type 18440 Filtercoat, 3 oz.	Per Can	1.00

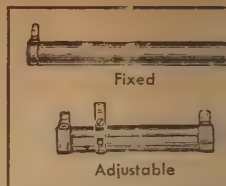
4970A. Engineered with every possible feature that allows operation at high ambient temperatures. Aluminum heat sink motor cool. Venturi is of high-impact, glass-filled phenolic. S is completely encapsulated. Lifetime-lubricated stainless-steel bearings. Skeleton, Venturi, Grille, and Filter Fans listed B For 115 volts, 50-60 Hz AC. U.L. Listed. Shpg. wt., 1 lb.

60 B 8804, Skeleton Fan. For use where only fan and motor are required. Includes fan, motor.	Each	2.50
60 B 8803, Venturi Fan. For use where fan is to be mounted; filled phenolic venturi.	Each	2.50
60 B 8802, Grille Fan. With venturi and grille.	Each	2.50
60 B 8801, Filter Fan. With venturi, grille, filter.	Each	2.50

IRC Wirewound Power Resistors



1. Clean, easy-to-solder terminals.
2. Quality, selected ceramic cores.
3. Premium, heavy-gauge windings.
4. Uniform spacing—no hot spots.
5. Chip-resistant Resisteg coating.
6. Mtg. brackets with most units.



Fixed: Units of 25 watts or more have solder lugs and mounting brackets. *Units under 25 watts are equipped with lugs and leads, except one wire terminal only. Tol., $\pm 5\%$. Adjustable:

Units of 25 watts or more have silver contacts. Adjustable types have lugs and mtg. brackets. Tol., $\pm 10\%$. Specify resistance, Av. wts., 5-50 watts. 4 oz.; 100 watts and up, 1 lb.

FIXED POWER RESISTORS

TYPE 1A 5-8 WATTS— $1 \times \frac{1}{8}$ " (With lugs and leads. *)

Stock No.	Values Available (In Ohms)	EACH			
		1-9	10-24	25-99	100-249
45 B 5250 C	1, 5, 7.5, 10, 20, 25, 30, 40, 50, 100, 250, 500, 1000	.52	.44	.36	.31
45 B 5251 C	3000, 5000	.55	.47	.39	.33
45 B 5252 C	6000, 10K	.58	.49	.41	.35
45 B 5253	20K†	.65	.55	.46	.39
45 B 5254	25K†	.68	.58	.48	.41

TYPE 1A 10-12 WATTS— $1 \frac{1}{4} \times \frac{1}{8}$ " (With lugs and leads. *)

45 B 5270 C	1, 4, 5, 7.5, 10, 12, 15, 20, 25, 30, 50, 75, 100, 150, 200, 250, 300, 400, 500, 600, 750, 1000	.57	.48	.40	.34
45 B 5271 C	1250, 1500, 2000, 2250, 2500, 3000, 4000, 5000	.61	.52	.43	.37
45 B 5272 C	6000, 7000, 10K	.70	.60	.49	.42
45 B 5273 C	15K, 17.5K, 18K, 20K	.79	.67	.55	.47
45 B 5274 C	22.5K, 25K, 30K	.83	.71	.58	.50
45 B 5269	50K	.93	.79	.65	.56

TYPE 2D 25 WATTS— $2 \times \frac{1}{8}$ " (With lugs and mtg. brackets.)

45 B 5203 C	1, 2, 3, 4, 5, 10, 15, 25, 50, 75, 100, 150, 200, 250, 500, 750, 1000	.72	.61	.50	.43
45 B 5204	2000	.75	.64	.53	.45
45 B 5205	10K	.85	.72	.60	.51
45 B 5206 C	15K, 20K	.90	.77	.63	.54
45 B 5207 C	25K, 35K	1.04	.88	.73	.62
45 B 5208 C	50K, 60K	1.21	1.03	.85	.73
45 B 5210	100K	1.64	1.39	1.15	.98

TYPE 4D 50 WATTS— $4 \times \frac{1}{8}$ " (With lugs and mtg. brackets.)

45 B 5290 C	1, 2, 3, 4, 5, 10, 25, 50, 300, 1000	1.11	.94	.78	.67
45 B 5291	2500	1.14	.97	.80	.68
45 B 5332	200K	2.89	2.46	2.02	1.73
45 B 5333	250K	3.24	2.75	2.27	1.94

TYPE 10 1/2H 200-225 WATTS— $10 \frac{1}{2} \times 1 \frac{1}{8}$ " (With lugs and mtg. brackets.)

45 B 5441 C	1, 2, 3, 10, 25, 50, 100, 1000	2.46	2.09	1.72	1.48
45 B 5442	5000	2.53	2.15	1.77	1.52
45 B 5443	10K	2.71	2.30	1.90	1.63
45 B 5446	50K	3.08	2.62	2.16	1.85

TYPE AS 1% AND 5% POWER RESISTORS



Miniature wirewound resistors incorporating "Thermocouple" a solvent-resistant silicone coating formulation with high dielectric strength and heat capabilities. Carry full power even at 125°C ambient. Meet MIL V (MIL-R-26C). Temperature coefficient less than 20 ppm/°C. Maximum working voltages are, 150 volts for Type AS-2, and 400 volts for Type AS-5. Av. shpg. wt., 1 oz.

1%—TYPE AS-2 2-WATT ($\frac{1}{2} \times \frac{1}{4}$ ")

Stock No.	Val. Avail. in Ohms See Table at Right	EACH			
		1-9	10-24	25-49	50-99
45 B 5867 C	1.0 to 1000	.98	.73	.57	.50
45 B 5868 C	1100 to 4700	1.07	.81	.64	.55
45 B 5869 C	5100 to 10K	1.10	.84	.66	.57
45 B 5870	15K	1.12	.86	.68	.60
45 B 5866 C	16K to 20K	1.19	.90	.72	.63

1%—TYPE AS-5 5-WATT ($\frac{1}{2} \times 1 \frac{1}{8}$ ")

45 B 5873 C	1.0 to 1000	1.00	.75	.59	.56
45 B 5874 C	1100 to 4700	1.09	.83	.66	.57
45 B 5875 C	5100 to 10K	1.12	.86	.68	.59
45 B 5876	15K	1.14	.88	.70	.66
45 B 5877 C	16K to 20K	1.21	.92	.74	.69
45 B 5878 C	22K to 39K	1.28	.98	.78	.74
45 B 5879	51K	1.39	1.05	.85	.79

ADJUSTABLE POWER RESISTORS

TYPE 1 3/4AA 10-12 WATTS— $1 \frac{3}{4} \times \frac{1}{8}$ " (With lugs and mtg. brackets.)

Stock No.	Values Available (In Ohms)	EACH			
		1-9	10-24	25-99	100-249
45 B 5275 C	1, 3, 7.5, 10, 20, 25, 50, 75, 100, 150, 200, 250, 400, 500, 600, 1000	1.14	.97	.80	.75
45 B 5276 C	4500, 5000	1.18	1.00	.83	.78
45 B 5277 C	6000, 8000, 8500, 10K	1.27	1.08	.89	.84

TYPE 2DA 25 WATTS— $2 \times \frac{1}{8}$ " (With lugs and mtg. brackets.)

45 B 5284 C	1, 2, 3, 5, 10, 20, 25, 50, 75, 150, 200, 300, 400, 500, 1000	1.29	1.10	.90	.85
45 B 5285	2500	1.32	1.12	.92	.87
45 B 5286 C	7500, 10K	1.42	1.21	.99	.94
45 B 5287 C	15K, 20K	1.47	1.25	1.03	.98
45 B 5288	25K	1.61	1.37	1.13	1.08

TYPE 4DA 50 WATTS— $4 \times \frac{1}{8}$ " (With lugs and mtg. brackets.)

45 B 5294 C	1, 3, 5, 10, 25, 50, 250, 300, 400, 500	1.68	1.43	1.18	1.13
45 B 5295	4000	1.71	1.45	1.20	1.15
45 B 5296	10K	1.80	1.53	1.26	1.21
45 B 5297	20K	1.92	1.63	1.34	1.29
45 B 5298	25K	2.11	1.79	1.48	1.43
45 B 5299	50K	2.29	1.95	1.60	1.55

TYPE 6 1/2EA 100 WATTS— $6 \frac{1}{2} \times \frac{1}{8}$ " (With lugs and mtg. brackets.)

Stock No.	Values Available (In Ohms)	EACH			
		1-9	10-24	25-99	100-249
45 B 5312 C	1, 3, 5, 10, 25, 50, 500, 1000	2.11	1.79	1.48	1.43

TYPE 10 1/2HA 200-225 WATTS— $10 \frac{1}{2} \times 1 \frac{1}{8}$ " (With lugs, mtg. brackets.)

45 B 5377 C	1, 2, 10, 25, 50, 100, 250, 500, 1000	3.34	2.84	2.34	2.29
45 B 5378 C	2500, 5000	3.41	2.90	2.39	2.34

Extra Sliders. For adjustable resistors. Shpg. wt., 1 oz.

45 B 5370. For Type 1 3/4AA	Each
45 B 5371. For Type 2DA, 4DA	Each
45 B 5372. For Type 6 1/2EA	Each
45 B 5373. For Type 10 1/2HA	Each

OHM VALUES AVAILABLE FROM STOCK—SPECIFY VALUES

1.0	4.7	12	33	120	300	820	2400	5600
1.2	5.1	13	39	130	330	910	2700	6200
1.5	5.6	15	51	150	360	1000	3000	6800
2.0	6.2	16	56	160	430	1100	3300	7500
2.2	6.8	18	68	180	510	1500	3600	8200
2.4	7.5	20	75	200	560	1600	3900	10K
2.7	8.2	22	82	220	620	1800	4300	15K
3.0	9.1	24	91	240	680	2000	4700	16K
3.3	10	30	100	270	750	2200	5100	18K

5%—TYPE AS-2 2-WATT ($\frac{1}{2} \times \frac{1}{4}$ ")

Stock No.	Val. Avail. in Ohms See Table Above	EACH			
		1-9	10-24	25-49	50-99
45 B 6160 C	1.0 to 1000	.44	.40	.37	.31
45 B 6161 C	1100 to 4700	.47	.43	.36	.34
45 B 6162 C	5100 to 10K	.48	.44	.41	.35
45 B 6163	15K	.52	.45	.42	.38
45 B 6164 C	16K to 20K	.55	.47	.43	.41

5%—TYPE AS-5 5-WATT ($1 \frac{1}{2} \times 1 \frac{1}{8}$ ")

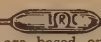
Stock No.	Val. Avail. in Ohms See Table Above	EACH			
		1-9	10-24	25-49	50-99
45 B 6165 C	1.0 to 1000	.48	.41	.37	.33
45 B 6166 C	1100 to 4700	.50	.43	.39	.35
45 B 6167 C	5100 to 10K	.51	.44	.40	.36
45 B 6168	15K	.52	.45	.42	.38
45 B 6169 C	16K to 20K	.54	.46	.43	.39

IRC 1% Metal-Film and Epoxy-Coated Resistors

TYPE CE T-O EVAPORATED METAL-FILM RESISTORS

T-O, CEB T-O, CEC T-O. Precision $\pm 1\%$ evaporated metal-film resistors with M-coat—a special moisture proofing encapsulation identified by its gray color. All have temperature coefficient characteristics of ± 100 PPM/ $^{\circ}\text{C}$ over a temperature span of 5° to $+165^{\circ}\text{C}$. Low noise level: 3 sigma of the noise level is below microvolt/volt over the audible spectrum. Voltage coefficient

when measured between 1/10 and full rated voltage is less than 5 PPM/volt for all values. Power ratings are based on 125°C ambient. Leads are $1\frac{1}{2}'' \pm \frac{1}{16}''$ long, alloy coated; may be dip-soldered. Resistance, tolerance, TC, code stamped on each unit. Specify values desired—see Table "A." Shpg. wt. per 100, 10 oz.



Stock No.	Mfr's Type	MIL Type	Watts	Max. Cont. Volts	Values—See Table "A" Below	EACH ASSORTED		EACH ASSORTED MIN. OF 20 PER VALUE	
						1-24	25-UP	100-249	250-999
B 5014 C	CEA T-O	RN55/D	$\frac{1}{8}$	250	10 ohms to 97.6 ohms	1.20	.46	.32	.21
B 5016 C	CEA T-O	RN55/D	$\frac{1}{4}$	250	100 ohms to 499K	.85	.40	.19	.15
B 5012 C	CEB T-O	RN60/D	$\frac{1}{8}$	300	10 ohms to 97.6 ohms	1.10	.49	.34	.23
B 5013 C	CEB T-O	RN60/D	$\frac{1}{4}$	300	100 ohms to 1 megohm	.95	.44	.30	.17
B 5017 C	CEC T-O		$\frac{1}{2}$	350	10 ohms to 97.6 ohms	1.00	.48	.32	.21
B 5018 C	CEC T-O		$\frac{1}{2}$	350	100 ohms to 1.5 megohms	.95	.44	.21	.16

TABLE "A"—MIL-OHM VALUES AVAILABLE FROM STOCK—SPECIFY RESISTANCE WANTED

ms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Megs
1.0	21.5	46.4	100	215	453	953	2000	4220	8870	18.7K	39.2K	82.5K	174K	365K	768K		
1.2	22.1	47.5	102	221	464	976	2050	4320	9090	19.1K	40.2K	84.5K	178K	374K	787K		
1.5	22.6	48.7	105	226	475	1000	2100	4420	9310	19.6K	41.2K	86.6K	182K	383K	806K		
1.7	23.2	49.9	107	232	487	1020	2150	4530	9530	20K	42.2K	88.7K	187K	392K	825K		
2.0	23.7	51.1	110	237	499	1050	2210	4640	9760	20.5K	43.2K	90.9K	191K	402K	845K		
2.3	24.3	52.3	113	243	511	1070	2260	4750	10K	21K	44.2K	93.1K	196K	412K	866K		
2.5	24.9	53.6	115	249	523	1100	2320	4870	10.2K	21.5K	45.3K	95.3K	200K	422K	887K		
2.8	25.5	54.9	118	255	536	1130	2370	4990	10.5K	22.1K	46.4K	97.6K	205K	432K	909K		
3.1	26.1	56.2	121	261	549	1150	2430	5110	10.7K	22.6K	47.5K	100K	210K	442K	931K		
3.4	26.7	57.6	124	267	562	1180	2490	5230	11K	23.2K	48.7K	102K	215K	453K	953K		
3.7	27.4	59.0	127	274	576	1210	2550	5360	11.3K	23.7K	49.9K	105K	221K	464K	976K		
4.0	28.0	60.4	130	280	590	1240	2610	5490	11.5K	24.3K	51.1K	107K	226K	475K			
4.3	28.7	61.9	133	287	604	1270	2670	5620	11.8K	24.9K	52.3K	110K	232K	487K			
4.7	29.4	63.4	137	294	619	1300	2740	5760	12.1K	25.5K	53.6K	113K	237K	499K	1.00		
5.0	30.1	64.9	140	301	634	1330	2800	5900	12.4K	26.1K	54.9K	115K	243K	511K	1.02		
5.3	30.9	66.5	143	309	649	1370	2870	6040	12.7K	26.7K	56.2K	118K	249K	523K	1.05		
5.7	31.6	68.1	147	316	665	1400	2940	6190	13K	27.4K	57.6K	121K	255K	536K	1.07		
6.0	32.4	69.8	150	324	681	1430	3010	6340	13.3K	28K	59K	124K	261K	549K	1.10		
6.4	33.2	71.5	154	332	698	1470	3090	6490	13.7K	28.7K	60.4K	127K	267K	562K	1.13		
6.8	34.0	73.2	158	340	715	1500	3160	6650	14K	29.4K	61.9K	130K	274K	576K	1.15		
7.2	34.8	75.0	162	348	732	1540	3240	6810	14.3K	30.1K	63.4K	133K	280K	590K	1.18		
7.5	35.7	76.8	165	357	750	1580	3320	6980	14.7K	30.9K	64.9K	137K	287K	604K	1.21		
7.9	36.5	78.7	169	365	768	1620	3400	7150	15K	31.6K	66.5K	140K	294K	619K	1.24		
8.3	37.4	80.6	174	374	787	1650	3480	7320	15.4K	32.4K	68.1K	143K	301K	634K	1.27		
8.7	38.3	82.5	178	383	806	1690	3570	7500	15.8K	33.2K	69.8K	147K	309K	649K	1.30		
9.2	39.2	84.5	182	392	825	1740	3650	7680	16.2K	34K	71.5K	150K	316K	665K	1.33		
9.7	40.2	86.6	187	402	845	1780	3740	7870	16.5K	34.8K	73.2K	154K	324K	681K	1.37		
10.1	41.2	88.7	191	412	866	1820	3830	8060	16.9K	35.7K	75K	158K	332K	698K	1.40		
10.6	42.2	90.9	196	422	887	1870	3920	8250	17.4K	36.5K	76.8K	162K	340K	715K	1.43		
11.0	43.2	93.1	200	432	909	1910	4020	8450	17.8K	37.4K	78.7K	165K	348K	732K	1.47		
11.5	44.2	95.3	205	442	931	1960	4120	8660	18.2K	38.3K	80.6K	169K	357K	750K	1.50		
12.0	45.3	97.6	210														

TYPE DCC EPOXY-COATED DEPOSITED-CARBON RESISTORS

precision 1% tolerance resistors. Incorporate pure crystalline carbon particles deposited in film form and bonded on a special amine rod to produce film-type elements of exacting resistance standards. Meet all performance and stability requirements for specification MIL-R-10509F, Style RN70D. Extra-heavy epoxy "M" withstands 30 cycles of MIL moisture test and protects against mechanical damage from soldering and wiring. Silver-to-

silver contact is provided between element and terminals; leads are alloy coated for sound soldered connections.

Type, resistance, tolerance, and code date of manufacture are stamped on each resistor. Rated at $\frac{1}{2}$ watt at 70°C ambient; derate to zero at 150°C . Specify values when ordering—see Table "B." Shpg. wt. per 100, 10 oz.



Stock No.	Mfr's Type	Watts	Maximum Continuous Volts	Values—See Table "B" Below	EACH ASSORTED		EACH, ASSORTED MIN. OF 20 PER VALUE	
					1-24	25-UP	100-249	250-999
B 5493 C	DCC	$\frac{1}{2}$	350	10 ohms to 2.49 megs	.95	.44	.21	.16

TABLE "B" MIL-OHM VALUES AVAILABLE FROM STOCK—SPECIFY RESISTANCE WANTED

ms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Megs
1.0	30.1	68.1	182	422	825	1620	3400	7500	14K	21.5K	33.2K	61.9K	150K	301K	619K	1.00
1.1	33.2	69.8	200	432	909	1780	4020	8060	14.7K	22.1K	38.3K	68.1K	162K	332K	619K	1.21
1.5	34.8	75.0	215	475	1000	1820	4220	8250	15K	22.6K	39.2K	71.5K	178K	340K	619K	1.50
1.9	42.2	90.9	221	499	1100	2000	4640	8660	16.2K	23.7K	40.2K	80.6K	182K	340K	619K	2.00
2.0	46.4	97.6	249	523	1130	2210	4750	9090	16.5K	24.9K	46.4K	82.5K	196K	499K	976K	2.15
2.5	47.5	100	301	604	1210	2370	4990	10K	16.9K	25.5K	47.5K	90.9K	200K	562K	1.21	
3.1	49.9	110	316	681	1330	2550	5110	11K	18.2K	27.4K	49.9K	100K	215K	750K	2.49	
4.9	51.1	121	332	698	1400	2740	5620	12.1K	19.6K	28K	51.1K	121K	221K			
5.1	56.2	124	392	750	1470	3010	6040	12.4K	20K	28.7K	56.2K	130K	255K			
6.7	61.9	150	402	806	1500	3320	6810	13K	20.5K	30.1K	60.4K	147K	267K			

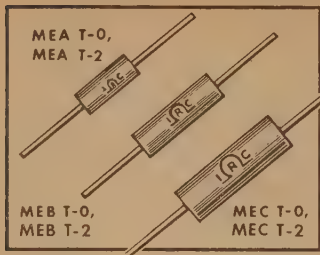
CHARACTERISTICS

Code	Max. Ambient at Rated Watts	Max. Change Due to Moisture Resistance Test
D	70°C	$\pm 3\%$ wet, $\pm 1.5\%$ dry
C	125°C	$\pm 0.5\%$ wet, or dry
X	40°C	$\pm 4\%$ wet

EXPLANATION OF MIL NUMBERS

Example: RN60 D 2671 F
RN60, high-stability film resistor and size and wattage.
D, characteristic—see Table, left column. TC is $\pm 0.05\%/^{\circ}\text{C}$.
2671, ohms resistance. First three digits are significant figures, last digit is zeros to add. For values under 100 ohms, the letter R is used to indicate decimal point, e.g. 34R8 is 34.8.
F, resistance tolerance: $\pm 1\%$.

IRC 1% Metal-Film and Wirewound Resistors



ME T-0 MOLDED METAL-FILM RESISTORS

Precision made, 1% tolerance, molded metal-film resistors, with stability and thermal noise characteristics comparable to precision wirewound resistors. Voltage coef-

ficient less than 5 ppm/V. Temperature coefficient characteristic of $0 \pm 165^\circ\text{C}$. Easstd. ± 1 , min. 20 per value. Wt./100, 7 oz.

Stock No.	Mfr's Type	Watts		Max. Cont. Volts	Stock Values—See Table "A" Below	EACH ASSORTED		EACH ASSORTED 100-25
		B	D			1-24	25-Up	
45 B 5002 C	MEA-T-0	$\frac{1}{8}$	$\frac{1}{4}$	300	30.1 ohms to 82.5 ohms	1.00	.46	.32
45 B 5003 C	MEA-T-0	$\frac{1}{8}$	$\frac{1}{4}$	300	100 ohms to 499K	.85	.40	.19
45 B 5006 C	MEB-T-0	$\frac{1}{4}$	$\frac{1}{2}$	350	51.1 ohms to 82.5 ohms	1.10	.49	.30
45 B 5007 C	MEB-T-0	$\frac{1}{4}$	$\frac{1}{2}$	350	100 ohms to 1 meg	.95	.44	.30
45 B 5009 C	MEC-T-0	$\frac{1}{2}$	$\frac{3}{4}$	500	51.1 ohms to 82.5 ohms	1.10	.49	.30
45 B 5011 C	MEC-T-0	$\frac{1}{2}$	$\frac{3}{4}$	500	100 ohms to 1.5 meg	.95	.44	.30

ME T-2 MOLDED METAL FILM RESISTORS

1% precision-made molded metal film resistors with high stability and thermal noise characteristics. Have temperature coefficient characteristics of 0 ± 50 ppm/ $^\circ\text{C}$ over a temperature span of -55°C to $+165^\circ\text{C}$. Rated for full load ($\frac{1}{4}$ watt) at 125°C ; for

zero load at 175°C . C. Feature voltage coefficient of less than 5 ppm/V. Available in resistance values from 30.1 ohms to 1.5 megohms. Specify values from Table "A" when ordering. Av. shpg. wt. per 1000. Each assorted *, minimum 20 per value.

Stock No.	Mfr's Type	Watts $\pm 125^\circ\text{C}$	Stock Values—See Table "A" Below	EACH ASSORTED		EACH ASSORTED 100-999
				1-24	25-Up	
45 B 5456 C	MEA T-2	$\frac{1}{8}$	30.1 ohms to 499K	1.14	.58	.33
45 B 7151 C	MEB T-2	$\frac{1}{4}$	51.1 ohms to 1 meg	1.30	.64	.38
46 B 7153 C	MEC T-2	$\frac{1}{2}$	51.1 ohms to 1.5 megs	1.30	.64	.38

TABLE "A"—OHM VALUES AVAILABLE FROM STOCK—SPECIFY RESISTANCE WANTED

Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms
30.1	82.5	215	464	750	1470	2210	3570	5620	8450	15K	27.4K	54.9K	133K	301K	570K
31.6	100	221	475	806	1500	2260	3650	5760	8660	16.2K	30.1K	56.2K	150K	324K	600K
33.2	105	249	487	825	1580	2320	3740	5900	8870	16.9K	31.6K	60.4K	178K	332K	620K
34.0	113	261	499	909	1620	2370	3920	6040	9090	17.8K	33.2K	61.9K	182K	340K	900K
34.8	121	274	511	1000	1650	2490	4020	6190	9530	18.2K	34K	65.5K	196K	365K	950K
40.2	130	301	562	1100	1690	2610	4220	6340	10K	19.6K	38.3K	68.1K	200K	392K	1000K
46.4	143	316	576	1150	1740	2670	4320	6490	10.2K	20K	39.2K	69.8K	215K	402K	1000K
47.5	148	332	590	1210	1780	2740	4420	6810	11K	21.5K	40.2K	75K	221K	464K	1000K
49.9	147	348	604	1240	1820	2800	4640	7150	12.1K	22.1K	42.2K	80.6K	249K	475K	1000K
51.1	150	383	619	1270	1910	2870	4750	7500	13K	23.7K	43.2K	82.5K	255K	487K	1000K
56.2	162	392	634	1300	1960	3010	4780	7680	13.3K	24.9K	47.5K	90.9K	261K	499K	1000K
61.9	178	402	649	1330	2000	3090	4990	7870	14K	25.5K	48.7K	100K	267K	511K	1000K
68.1	182	422	681	1400	2050	3160	5110	8060	14.3K	26.1K	49.9K	110K	280K	536K	1000K
75.0	200	432	715	1430	2150	3320	5490	8250	14.7K	26.7K	51.1K	121K	287K	562K	1000K



WIREWOUND 1% PRECISION RESISTORS

Precision resistors surpassing MIL-R-93A specifications. Power ratings at 85°C : WW4J $\frac{1}{2}$ -Watt. Wound in four sections, 700 V max. breakdown voltage. Rated 1.20 watts at 40°C ambient, 0.50 watts at

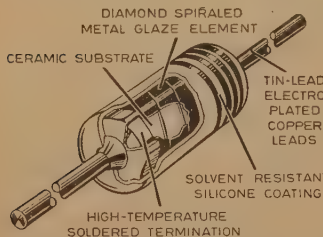
85°C . Lug terminals. Size, $\frac{1}{16} \times 1"$. WW10J 0.15-Watt. Wound in 1 section, 200 V max. breakdown voltage. Rated 1.00-watt at 40°C ambient, 0.15 watts at 85°C . C. 2" leads. $\frac{3}{32} \times \frac{1}{32}"$. Av. shpg. wt., 2 oz.

Stock No.	TYPE WW4J	Stock Values—See Table at Right	EACH
45 B 6500 C	0.1 to 100 ohms	1.32	
45 B 6501 C	250 to 1000 ohms	1.41	
45 B 6502 C	1500 to 5000 ohms	1.53	
45 B 6503 C	10K only	1.62	
45 B 6504 C	20K to 50K	2.10	
45 B 6505 C	100K only	2.37	
45 B 6506 C	125K and 200K	2.61	
45 B 6507 C	250K and 300K	2.98	

Stock No.	TYPE WW4J	Stock Values—See Table at Right	EACH
45 B 6509 C	500K only	3.87	
TYPE WW10J			
45 B 6510 C	10 to 50 ohms	1.35	
45 B 6511 C	100 to 1000 ohms	1.29	
45 B 6512 C	1500 to 5000 ohms	1.32	
45 B 6513 C	10K only	1.38	
45 B 6514 C	20K to 50K	1.62	
45 B 6515 C	100K only	1.80	

MIL-OHM STOCK VALUES					
Ohms	Ohms	Ohms	Ohms	Ohms	Ohms
0.1	50	2000	25K	250K	2500K
0.2	100	3000	30K	300K	3000K
0.5	250	4000	40K	500K	5000K
1	300	5000	50K	600K	6000K
5	500	10K	100K	1000K	10000K
10	1000	20K	125K	1250K	12500K
25	1500	22.5K	200K	2000K	20000K

NEW LOW-COST METAL GLAZE 2% AND 5% RESISTORS



Metal-glaze film is up to 100 times thicker than conventional films. Excellent temperature coefficients across a wide resistance

range. Average resistance change below 0.6% after 1000 hrs. full load at 70°C . Rated to 0 at 150°C . Wt./100, 6 oz.

2%-TOLERANCE RESISTORS

Stock No.	Type	Watts	Stock Values—See Table Below	EACH			
				1-99	100-249	250-999	1000-4
45 B 5028 C	RG07	$\frac{1}{4}$	51 ohms to 75K	.30	.20	.125	.10
45 B 5029 C	RG20	$\frac{1}{4}$	51 ohms to 75K	.30	.20	.125	.09

5%-TOLERANCE RESISTORS

Stock No.	Type	Watts	Stock Values—See Table Below	EACH			
				1-99	100-249	250-999	1000-4
45 B 5030 C	RG07	$\frac{1}{4}$	51 ohms to 75K	.29	.18	.115	.08
45 B 5031 C	RG20	$\frac{1}{2}$	51 ohms to 75K	.30	.20	.125	.09

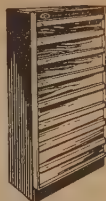
TABLE OF STANDARD RESISTANCE VALUES—SPECIFY VALUES WANTED

Ohm	Ohm	Ohm	Ohm	Ohm	Ohm	Ohm	Ohm	Ohm	Ohm	Ohm	Ohm	Ohm	Ohm	Ohm	Ohm
51	100	200	390	750	1500	3300	5600	10K	18K	33K	56K	100K	180K	330K	560K
56	110	220	430	820	1600	3600	6200	11K	20K	36K	62K	110K	200K	360K	620K
62	120	240	470	910	1800	3900	6800	12K	22K	39K	68K	120K	220K	390K	680K
68	130	270	510	1000	2000	4300	7500	13K	24K	43K	75K	130K	240K	430K	750K
75	150	300	560	1100	2400	4700	8200	15K	27K	47K	82K	150K	270K	470K	820K
82	160	330	620	1200	2700	5100	9100	16K	30K	51K	91K	160K	300K	510K	910K
91	180	360	680	1300	3000	5600	10000	18K	33K	56K	100K	180K	330K	560K	1000K

Feature a unique thick-film resistance element made of glass and metal alloys fused to a crystalline ceramic core. Produces a resistor that withstands high temperatures and overloads over a wide resistance range. Meets MIL-R-22684B. Performs better than MIL-R-11 units.

IRC Resistor Assortments and Storage Cabinets

COMPREHENSIVE RESISTOR ASSORTMENTS AND CABINET



Comprehensive resistor stocks especially suited for use by the serious hobbyist, experimenter, and model or service shop owner. Designed to provide the user with a complete inventory of resistors which are easy to find and use, and provide for orderly storage and identification. All units are packaged in the new IRC Snap-Pack—a heat-shrinkable package of uniform dimensions that permits testing of individual resistors without opening package. All resistors are supplied in packages of five or ten, depending on resistor size. Each laboratory stock is housed in a new metal cabinet especially designed for

Snap-Pack resistors. Cabinet is 54" high, 27" wide, and 15" deep. Eight spacious drawers, with labelled dividers for each resistor value, provide substantial storage space for all stock values, with room for expansion for resistor values most often used. Gives you a handy, centralized storage space for a complete assortment of resistance values. Special rugged metal cabinets are finished in red and black enamel.

22. A complete stock of IRC type RC07 1/4-watt, 5% tolerance resistors. 121 standard 5% values from 10 ohms to 1.0 megohms (see table below), 50 resistors of each value. 6050 resistors total. In all—16-drawer cabinet described above. Separate cost of resistors is \$393.00. Shpg. wt., 6 lbs.

5260 F..... 499.00

Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms
47	220	1000	4700	22K	100K	470K
51	240	1100	5100	24K	110K	510K
56	270	1200	5600	27K	120K	560K
62	300	1300	6200	30K	130K	620K
68	330	1500	6800	33K	150K	680K
75	360	1600	7500	36K	160K	750K
82	390	1800	8200	39K	180K	820K
91	430	2000	9100	43K	200K	910K
100	470	2200	10K	47K	220K	1.0 meg
110	510	2400	11K	51K	240K	
120	560	2700	12K	56K	270K	
130	620	3000	13K	62K	300K	
150	680	3300	15K	68K	330K	
160	750	3600	16K	75K	360K	
170	820	3900	18K	82K	390K	
200	910	4300	20K	91K	430K	

23. A complete variety of IRC type RC20 1/2-watt 5% tolerance composition carbon resistors. 167 standard values from 2.7 ohms to 22 megohms (see table below). 50 resistors per value. 8350 resistors alone would cost \$1002.00. Price includes the special 8-drawer metal cabinet described above. Shpg. wt., 8 lbs.

5261 F..... 655.00

EL5 25. A comprehensive assortment of IRC type BWH, 5% tolerance, molded wirewound resistors. Type BWH is the same physical size as IRC type RC32 carbon resistors—small enough for 1/2-watt and 1-watt needs, although rated a full 2-watts at 70°C ambient temperature. 103 standard values from 0.1 ohm to 1800 ohms (listed in table below). Includes 25 resistors per value, 2575 resistors total. Regular value of resistors alone would be \$994.00. Supplied with special all-metal cabinet described above. Shpg. wt., 6 lbs.

45 B 5263 F..... 618.00

Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms
0.10	0.36	1.2	4.3	15	51	180	620
0.11	0.39	1.3	4.7	16	56	200	680
0.12	0.43	1.5	5.1	18	62	220	750
0.13	0.47	1.6	5.6	20	68	240	820
0.15	0.51	1.8	6.2	22	75	270	910
0.16	0.56	2.0	6.8	24	82	300	1000
0.18	0.62	2.2	7.5	27	91	330	1100
0.20	0.68	2.4	8.2	30	100	360	1200
0.22	0.75	2.7	9.1	33	110	390	1300
0.24	0.82	3.0	10	36	120	430	1500
0.27	0.91	3.3	11	39	130	470	1600
0.30	1.0	3.6	12	43	150	510	1800
0.33	1.1	3.9	13	47	160	560	

EL5 24. An extensive selection of IRC type RC32 1-watt, 5% tolerance carbon composition resistors. 167 standard values from 2.7 ohms to 22 megohms (see table below). 25 resistors per value. 4175 resistors total. Cost of resistors alone would be \$751.00. Includes 8-drawer metal cabinet described above. Shpg. wt., 8 lbs.

45 B 5262 F..... 351.00

TABLE OF RESISTOR VALUES FOR RESISTOR ASSORTMENTS EL5 23 AND EL5 24

Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Megs	Megs	Megs
7	7.5	22	62	180	510	1500	4300	12K	36K	100K	300K	820K	2.4	6.8	20		
8	8.2	24	68	200	560	1600	4700	13K	39K	110K	330K	910K	2.7	7.5	22		
9	9.1	27	75	220	620	1800	5100	15K	43K	120K	360K	1.0 meg	3.0	8.2			
6	10	30	82	240	680	2000	5600	16K	47K	130K	390K	1.1 meg	3.3	9.1			
9	11	33	91	270	750	2200	6200	18K	51K	150K	430K	1.2 meg	3.6	10			
3	12	36	100	300	810	2400	6800	20K	56K	160K	470K	1.3 meg	3.9	11			
7	13	39	110	330	910	2700	7500	22K	62K	180K	510K	1.5 meg	4.3	12			
1	15	43	120	360	1000	3000	8200	24K	68K	200K	560K	1.6 meg	4.7	13			
6	16	47	130	390	1100	3300	9100	27K	75K	220K	620K	1.8 meg	5.1	15			
2	18	51	150	430	1200	3600	10K	30K	82K	240K	680K	2.0 meg	5.6	16			
8	20	56	160	470	1300	3900	11K	33K	91K	270K	750K	2.2 meg	6.2	18			

IRC BALANCED RESISTOR ASSORTMENTS

METAL RESIST-O-CABINETS

Practical way to give any workshop a professional appearance. IRC Metal Resist-O-Cabinets are free with the purchase of any balanced resistor assortments below and at right. Keeps your resistor stocks orderly and easily accessible, with a separate compartment for each resistor value. Gives you four non-spill drawers. 28 compartments designed for stocking many small parts. Mail size: 5 3/4 x 5 1/2 x 10 7/8". Durable blue and silver finish.

Assortment No. 3A. A balanced assortment which contains 120 IRC type BWH and SR2 2-watt resistors as follows: 7 each: 8200, 10K, 15K, 47K; 5 each: 1000, 6800, 15K, 100K; 4 each: 100, 330, 470, 0, 2200, 3300, 4700, 27K, 1.0 meg; 3 each: 47, 82, 150, 220, 270, 0, 220K, 470K; 2 each: 4.7, 10, 22, 68; 1 each: 15, 27, 33, 39. Complete with metal Resist-O-Cabinet. 4 1/2 lbs.

B 6776..... 28.80

Assortment No. 4A. A comprehensive selection containing 150 IRC type GBT 1/2-watt resistors. 8 each: 1000, 47K, 100K, 270K, 470K, 0, 220K, 7 each: 3700, 10K, 220K, 2.2 meg; 5 each: 3300, 22K, 27K, 5, 330K, 4.7 meg; 4 each: 4.7, 10, 22, 500, 1500, 2200, 2700, 56K, 68K, 1 meg; 3 each: 47, 220, 270, 10 meg. Supplied complete with metal Resist-O-Cabinet. 4 1/2 lbs.

B 6777..... 18.00

Assortment No. 5A. Contains 125 IRC type GBT 1-watt resistors. 8 each: 1000, 10K, 27K, 47K, 100K, 270K, 470K, 1.0 meg; 5 each: 0, 4700, 22K, 4 each: 33K, 39K, 68K; 3 each: 47, 100, 150, 220, 1, 470, 1500, 2700, 3300, 15K, 150K, 220K, 2.2 meg, 2.2 meg. Complete with metal Resist-O-Cabinet. 4 3/4 lbs.

B 6778..... 22.50

Combination Assortment No. 6A. Contains 139 IRC insulated and Type DCF resistors in 1/2-watt, 1-watt and 2-watt ratings in the following assortment: 1/2 watt, 4 each: 1000, 47K, 100K, 270K, 470K, 1.0 meg; 3 each: 4700, 10K, 220K, 2.2 meg; 2 each: 47, 100, 150, 220, 270, 470, 1500, 2200, 2700, 3300, 15K, 22K, 27K, 33K, 39K, 68K, 150K, 4.7 meg, 1 watt, 4 each: 100K, 10K, 27K, 100K, 1.0 meg; 3 each: 47K, 470K, 2.2 meg; 2 each: 3300, 15K, 22K, 68K, 150K, 270K; 1 each: 47, 100, 150, 220, 270, 470, 1500, 2200, 2700, 4700, 33K, 39K, 220K, 4.7 meg, 2 watt, 1 each: 47, 100, 470, 4700, 10K, 22K, 47K. Type DCF resistors, 1 of each of the following: 1000, 10K, 100K, 1.0 meg, and 5.0 meg. Complete assortment with IRC metal Resist-O-Cabinet. Keeps resistors orderly, easily accessible. Shpg. wt., 5 lbs.

45 B 6779..... 23.22

Assortment No. 7A. Contains 150 IRC 1/4-watt resistors. 10 each: 1000, 4700, 10K; 8 each: 2200, 22K, 100K; 6 each: 100, 470, 1500, 6800, 15K, 33K, 47K; 5 each: 3300, 1.0 meg; 4 each: 150, 220, 2700, 3900, 18K; 3 each: 47, 270, 680, 27K, 39K, 68K, 220K, 470K. With metal Resist-O-Cabinet. Shpg. wt., 4 1/4 lbs.

45 B 6775..... 19.50



Allied can supply the complete line of IRC resistors. If you do not find the resistor you require listed, write or phone Allied.

Ohmite Wirewound Rheostats, Potentiometers

VITREOUS-ENAMELED RHEOSTATS FROM 25 WATTS TO 100 WATTS



Selected wirewound rheostats; all are vitreous enameled (except Types 4200, -1, -2, -3, -4), silicone ceramic. Cannot smoke, char, shrink or shift. Have copper-graphite brushes, except *silver-graphite brushes. Ratings at full setting. U.L. Component-Program Keocog. except. Types H, J and K mount on panels up to 1/4" thick; Dimensions: Type H, 1 3/8" dia., 1 1/2" depth behind panel; J, 2 3/8" dia., 1 3/8" depth; K, 3 3/8" dia., 1 3/4" depth. Less knobs, dial plates and coupling kits listed below. Av. shpg. wt., 8 oz.

25 WATT—TYPE H

Stock No.	Mfr's Type	Ohms	EACH		
			1-4	5-9	10-24
46 B 7223	0140*	1	5.05	4.29	3.38
46 B 7224	0141	2	5.05	4.29	3.38
46 B 7225	0142	3	5.05	4.29	3.38
46 B 7226	0143	4	5.05	4.29	3.38
46 B 7227	0144	5	5.05	4.29	3.38
46 B 7228	0145	10	5.05	4.29	3.38
46 B 7229	0146	15	4.55	3.87	3.05
46 B 7230	0147	25	4.55	3.87	3.05
46 B 7231	0148	35	4.55	3.87	3.05
46 B 7232	0149	50	4.55	3.87	3.05
46 B 7233	0150	75	4.55	3.87	3.05
46 B 7234	0151	100	4.55	3.87	3.05
46 B 7237	0152	125	4.55	3.87	3.05
46 B 7238	0153	175	4.55	3.87	3.05
46 B 7239	0154	250	4.55	3.87	3.05
46 B 7240	0155	350	4.55	3.87	3.05
46 B 7241	0156	500	4.55	3.87	3.05
46 B 7242	0157	750	4.55	3.87	3.05
46 B 7244	0158	1000	5.05	4.29	3.38
46 B 7245	0159	1500	5.05	4.29	3.38
46 B 7246	0160	2500	5.05	4.29	3.38
46 B 7247	0161	3500	5.35	4.55	3.58
46 B 7248	0162	5000	5.35	4.55	3.58
46 B 7150	4200†	7500	5.55	4.72	3.72
46 B 7151	4201†	10K	6.05	5.14	4.05
46 B 7152	4202†	15K	6.55	5.14	4.05
46 B 7153	4203†	20K	6.55	5.14	4.05
46 B 7154	4204†	25K	7.50	6.38	5.03

50 WATT—TYPE J

Stock No.	Mfr's Type	Ohms	1-4	5-9	10-24
46 B 7249	0308*	0.5	5.65	4.80	3.79
46 B 7250	0309*	1	5.65	4.80	3.79
46 B 7251	0310*	2	5.65	4.80	3.79
46 B 7252	0311	4	5.65	4.80	3.79
46 B 7253	0312	6	5.65	4.80	3.79
46 B 7254	0313	8	5.05	4.29	3.38
46 B 7255	0314	12	5.05	4.29	3.38
46 B 7256	0315	16	5.05	4.29	3.38
46 B 7257	0316	22	5.05	4.29	3.38

DIAL PLATES AND KNOBS

Type 5000 Dial Plate, For Types H, J, and K rheostats. 2 3/8" diameter. Handsomely finished with bright figures and lines on etched black background. With 0-100 scale. Shpg. wt., 2 oz.
46 B 7945. 1-4..... Each .30 5-9..... Each .26
Type 5150 Knob, Handsomely molded, black bakelite knob with 1 1/2" finger-grip. For use with types H, J and K rheostats (listed above). Shpg. wt., 2 oz.
46 B 7944. 1-4..... Each .30 5-9..... Each .26 10-24..... Each .20

"AB" MOLDED COMPOSITION 2-WATT POTENTIOMETERS



CA, CB, CU

CLU

CCU Duals

CMU

STYLE CA, CB, CU

Stock No.	Mfr's Type	Ohms	EACH		
			1-9	10-49	
46 B 1500	CU5001	50	1.95	1.75	
46 B 1501	CU1011	100	1.95	1.75	
46 B 1506	CU1511	150	1.95	1.75	
46 B 1502	CU2511	250	1.95	1.75	
46 B 1507	CU3511	350	1.95	1.75	
46 B 1503	CU5011	500	1.95	1.75	
46 B 1508	CU7511	750	1.95	1.75	
46 B 1504	CU1021	1000	1.95	1.75	
46 B 1509	CU1521	1500	1.95	1.75	
46 B 1505	CU2521	2500	1.95	1.75	
46 B 1600	CU3521	3500	1.95	1.75	
46 B 1506	CU5021	5000	1.95	1.75	
46 B 1601	CU7521	7500	1.95	1.75	
46 B 1507	CU1031	10K	1.95	1.75	
46 B 1508	CU1031	10K	2.25	2.02	
46 B 1602	CU1531	15K	1.95	1.75	
46 B 1603	CU2531	25K	1.95	1.75	
46 B 1603	CU3531	35K	1.95	1.75	
46 B 1511	CU5031	50K	1.95	1.75	

CMU SLOTTED-SHAFT TYPES—MIL-R-94B

Stock No.	Mfr's Type	Ohms	1-9	10-49	50-99
46 B 1612	CMU5001	50	1.95	1.75	
46 B 1613	CMU1011	100	1.95	1.75	
46 B 1614	CMU2511	250	1.95	1.75	
46 B 1615	CMU5011	500	1.95	1.75	
46 B 1616	CMU1021	1000	1.95	1.75	
46 B 1617	CMU2521	2500	1.95	1.75	
46 B 1618	CMU5021	5000	1.95	1.75	
46 B 1619	CMU1031	10K	1.95	1.75	
46 B 1620	CMU2531	25K	1.95	1.75	

Stock No.	Mfr's Type	Ohms	EACH		
			1-9	10-49	
46 B 1512	CB5031	50K	2.25	2.02	
46 B 1604	CU7531	75K	1.95	1.75	
46 B 1514	CA1041	100K	2.25	2.02	
46 B 1605	CU1541	150K	1.95	1.75	
46 B 1515	CU2541	250K	1.95	1.75	
46 B 1516	CA2541	250K	2.25	2.02	
46 B 1626	CMU3541	350K	1.95	1.75	
46 B 1517	CS041	500K	1.95	1.75	
46 B 1518	CA5041	500K	2.25	2.02	
46 B 1607	CU7542	750K*	1.95	1.75	
46 B 1519	CU1052	1 meg*	1.95	1.75	
46 B 1608	CU1052	1 meg*	2.25	2.02	
46 B 1608	CU1552	1.5 meg*	1.95	1.75	
46 B 1548	CU2052	2.0 meg*	1.95	1.75	
46 B 1521	CU2552	2.5 meg*	1.95	1.75	
46 B 1522	CA2552	2.5 meg*	2.25	2.02	
46 B 1609	CU3552	3.5 meg*	1.95	1.75	
46 B 1623	CU5052	5 meg*	1.95	1.75	

Stock No.	Mfr's Type	Ohms	1-9	10-49	50-99
46 B 1621	CMU5031	50K	1.95	1.75	
46 B 1623	CMU2541	250K	1.95	1.75	
46 B 1624	CMU5041	500K	1.95	1.75	
46 B 1625	CMU1052	1 meg*	1.95	1.75	
46 B 1626	CMU2052	2 meg*	1.95	1.75	
46 B 1627	CMU3552	3.5 meg*	1.95	1.75	
46 B 1628	CMU5052	5 meg*	1.95	1.75	

TYPE E 12 1/2-WATT RHEOSTATS



Compact miniature pot rheostats for limited space applications. Smaller than many 1- or 2-watt potentiometers. Rugged, ceramic metal construction. For high temperature applications; operate at maximum hot surface temperature of 340°C. (644°F). Tolerance is ±10%.

Only 7/8" diameter. Req. many 1- or 2-watt potentiometers. 1/4" long. 1/4" diameter shaft, 3/4" long. Knob, listed below. Av. shpg. wt., 21 oz.

Stock No.	Mfr's Type	Ohms	EACH		
			1-4	5-9	10-24
46 B 7200	0101	1	5.05	4.29	3.38
46 B 7219	0102	2	5.05	4.29	3.38
46 B 7202	0103	3	5.05	4.29	3.38
46 B 7204	0104	4	5.05	4.29	3.38
46 B 7205	0106	10	5.05	4.29	3.38
46 B 7206	0107	15	4.55	3.87	3.05
46 B 7207	0108	25	4.55	3.87	3.05
46 B 7209	0110	50	4.55	3.87	3.05
46 B 7210	0111	75	4.55	3.87	3.05
46 B 7213	0112	100	4.55	3.87	3.05
46 B 7213	0114	175	4.55	3.87	3.05
46 B 7214	0115	250	4.55	3.87	3.05
46 B 7216	0117	500	4.55	3.87	3.05
46 B 7217	0118	750	4.55	3.87	3.05
46 B 7218	0119	1000	5.05	4.29	3.38
46 B 7220	0121	2500	5.05	4.29	3.38
46 B 7221	0122	3500	5.35	4.55	3.58
46 B 7222	0123	5000	5.35	4.55	3.58
46 B 7155	4900	7500	5.55	4.72	3.72
46 B 7156	4910	10K	6.05	5.14	4.05
46 B 7158	4913	15K	6.05	5.14	4.05

Type 5007 Dial Plate, For Type E. 1 1/4" Has black background. Shpg. wt., 1 oz.
46 B 7939. 1-4..... Each .30 5-9..... Each .26 10-24..... Each .20

Type 5151 Knob, 3/4" finger-grip type for Type E rheostats. Shpg. wt., 1 oz.
46 B 7940. 1-4..... Each .30 5-9..... Each .26 10-24..... Each .20

TANDEM COUPLING KIT FOR TYPE E

Type 6591. Consists of steel U-frame, mica wiper, coupling, Allen wrench instructions. Max. plate thickness 1/4". Frame 1/2" long, 3/4" wide. 2 oz.
46 B 1595. 1-4..... Each .20 5-9 Ea. 1.87 10-24 Ea. 1.87

Single units are 3/4"x1 1/2" dia.; double units are 1 1/2"x1 1/2" dia. Mount in 1/2" hole in panel to 1/4" thick 2" long 1/4" round shafts except CLU, slotted shaft and locking nut; CLU 7/8" slotted shaft. CU, CCU, CMU and CCU Types linear taper; CA Types, CW log; Types, CCW log. ±10% tolerance, except *±20%. Av. shpg. wt., 3 1/2 oz.

CLU LOCKING-SHAFT TYPES—MIL-R-94B

Stock No.	Mfr's Type	Ohms	1-9	10-49	50-99
46 B 1525	CU5001	50	2.55		
46 B 1526	CU1011	100	2.55		
46 B 1527	CU1511	150	2.55		
46 B 1528	CU2511	250	2.55		
46 B 1529	CU3511	350	2.55		
46 B 1530	CU5011	500	2.55		
46 B 1531	CU7511	750	2.55		
46 B 1532	CU1021	1000	2.55		
46 B 1533	CU1521	1500	2.55		
46 B 1534	CU2521	2500	2.55		
46 B 1535	CU3521	3500	2.55		
46 B 1536	CU5021	5000	2.55		
46 B 1537	CU7521	7500	2.55		
46 B 1538	CU1031	10K	2.55		
46 B 1539	CU1531	15K	2.55		
46 B 1540	CU2531	25K	2.55		
46 B 1541	CU3531	35K	2.55		
46 B 1542	CU5031	50K	2.55		
46 B 1543	CU7531	75K	2.55		
46 B 1544	CU1041	100K	2.55		
46 B 1545	CU1541	150K	2.55		
46 B 1546	CU2541	250K	2.55		
46 B 1547	CU3541	350K	2.55		
46 B 1548	CU5041	500K	2.55		
46 B 1549	CU7541	750K	2.55		
46 B 1550	CU1051	1000K	2.55		
46 B 1551	CU1551	1500K	2.55		
46 B 1552	CU2551	2500K	2.55		
46 B 1553	CU3551	3500K	2.55		
46 B 1554	CU5051	5000K	2.55		
46 B 1555	CU7551	7500K	2.55		

STYLE CCU DUALS

46 B 1541	CCU1031	10K	5.85
46 B 1542	CCU2531	25K	5.85
46 B 1543	CCU5031	50K	5.85
46 B 1544	CCU1041	100K	5.85
46 B 1545	CCU2541	250K	5.85
46 B 1546	CCU5041	500K	5.85
46 B 1547	CCU1052	1 meg*	5.85

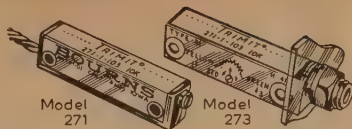
Potentiometers and Controls

BOURNS TRIMIT® SUBMINIATURE POTENTIOMETERS

y is only $\frac{1}{2} \times \frac{1}{2} \times 1\frac{1}{4}$ ". May be stacked.
 35-turn screwdriver adjustment, zero
 ill value, with self-locking shaft. Power
 is at 25° C. Operating range, -55°
 -85° C. Panel mtg. requires .228" hole

with max. thickness, .13". Std. mounts
 have two #2 holes on 1" ctrs. Quantity
 price for one resistance value only.
**Specify Stock No. and resistance when
 ordering.** Av. shpg. wt., 2 oz.

1/4-WATT WIREWOUND TYPE. Size $\frac{1}{4} \times \frac{1}{2} \times 1\frac{1}{4}$ ".



Stock No.	Mfr's Type	Terminal Connections	Mounting	Resistance Values (Ohms) Specify Values Wanted	EACH		
					1-9	10-24	25-49
6 B 7397 C	271	Insulated leads	Standard	50, 100, 200, 500, 1000, 2000, 5000, 10K	3.19	2.95	2.66
6 B 7981	271	Insulated leads	Standard	20K only	4.32	4.00	3.60
6 B 7034 C	271	Insulated leads	Panel	50, 100, 200, 500, 1000, 2000, 5000, 10K	4.00	3.70	3.34
6 B 7062	271	Insulated leads	Panel	20K only	3.19	4.75	4.28
6 B 7398 C	273	Solder lugs	Standard	50, 100, 200, 500, 1000, 2000, 5000, 10K	3.19	2.95	2.66
6 B 7992	273	Solder lugs	Standard	20K only	4.32	4.00	3.60
6 B 7035 C	273	Solder lugs	Panel	50, 100, 200, 500, 1000, 2000, 5000, 10K	4.00	3.70	3.34
6 B 7063	273	Solder lugs	Panel	20K only	3.19	4.75	4.28
6 B 7993	275	PC pins	Printed circuit	50, 100, 200, 500, 1000, 2000, 5000, 10K	5.13	2.95	2.66
6 B 7993	275	PC pins	Printed circuit	20K only	4.32	4.00	3.60

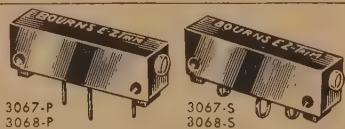
1/5-WATT CARBON TYPE. Size $\frac{1}{2} \times \frac{1}{2} \times 1\frac{1}{4}$ ".

Stock No.	Mfr's Type	Terminal Connections	Mounting	Resistance Values (Ohms) Specify Values Wanted	EACH		
					1-9	10-24	25-49
6 B 7377 C	272	Insulated leads	Standard	5000, 10K, 20K, 50K, 100K, 200K	3.78	3.50	3.15
6 B 7036 C	272	Insulated leads	Panel	500K, 750K, 1 meg, 2 meg, 5 meg.	4.59	4.25	3.83
6 B 7037 C	274	Solder lugs	Standard		3.78	3.50	3.15
6 B 7037 C	274	Solder lugs	Standard		3.78	3.50	3.15
6 B 7379 C	276	PC pins	Printed circuit		3.78	3.50	3.15

BOURNS E-Z TRIM® POTENTIOMETERS

See 3067, 3068. Type 3067 1/4-watt 15-
 and 3068 1/5-watt 15-turn potentiometers are designed specifically for com-
 mercial applications. 3068 has a Resistor®
 non resistance element. 3067 has a pre-m-
 wound winding element. 1.5-turn adjust-

ment and self-locking shafts for stable and
 precise electrical settings. Wiper at both
 ends of travel. *Printed circuit pin. *Solder
 lugs. Mfg. ctrs. $\frac{3}{16}$ ", $\frac{1}{2} \times 1\frac{1}{2}$ ". **Specify
 Mfr's Type No. and resistance value
 when ordering.** Av. Shpg. wt., 2 oz.



Stock No.	Mfr's Type	Values Available (Ohms)—Specify Values	1-9, EA.			10-24, EA.			25-49, EA.		
			1	2	3	4	5	6	7	8	9
46 B 7636 C	*3067-S	50, 100, 200, 500, 1000, 2000, 5000, 10K, 20K	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85
46 B 7637 C	*3067-P	50, 100, 200, 500, 1000, 2000, 5000, 10K, 20K	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85
46 B 7638 C	*3068-S	20K, 50K, 100K, 200K, 500K, 750K, 1 meg	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85
46 B 7639 C	*3068-P	20K, 50K, 100K, 200K, 500K, 750K, 1 meg	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85

MALLORY 3-WATT TV CONTROLS

See-watt wirewound potentiometers designed espe-
 cially for replacement of television controls. Also excel-
 lent as voltage dividers and bias controls. In-
 dusted contact arm type, linear taper. Special dual
 tactor mechanism. 900 volts AC insulation between
 stator element and chassis. 297° rotation. Size,
 1" in diameter. Knurled stub shaft has screwdriver
 1/4" bushing. Shpg. wt., 4 oz.



Stock No.	Type	Ohms	EACH	Stock No.	Type	Ohms	EACH
6 B 3835	R20L	20	.93	46 B 3843	R1500L	1500	.93
6 B 3836	R25L	25	.93	46 B 3844	R2500L	2500	.93
6 B 3840	R50L	50	.93	46 B 3846	R3000L	3000	.93
6 B 3864	R100L	100	.93	46 B 3845	R5000L	5000	.93
6 B 3841	R250L	250	.93	46 B 3693	R10ML	10K	1.08
6 B 3834	R500L	500	.93	46 B 3695	R20ML	20K	1.08
6 B 3842	R1000L	1000	.93				

MALLORY SERIES U MIDGETROL CONTROLS

For audio, tone and similar control circuits in home stereo systems, audio am-
 plifiers, portables, TV sets and industrial electronic
 equipment. Available in a full line of resistances, ta-
 pers and tapers. Round, hollow shaft—easily cut
 to desired length. Two spline-shank knob adapters furnished with each Midgetrol—see illustra-
 tion above. With nut and lock washer. 1/16" dia. brass shaft, 2 1/2" long,
 1/4" dia. Less switch. Shpg. wt., 3 oz.



Stock No.	Mfr's Type	Ohms	Taper*	Stock No.	Mfr's Type	Ohms	Taper*
46 B 3714	U-1	100	4	46 B 3763	U-35	50K	4
46 B 3709	U-2	500	4	46 B 3765	U-39	100K	4
46 B 3785	U-4	1K	4	46 B 3767	U-41	100K	1
46 B 3786	U-8	5K	4	46 B 3768	U-42	150K	1
46 B 3751	U-12	5K	1	46 B 3770	U-44	250K	1
46 B 3752	U-14	5K	4	46 B 3772	U-46	250K	4
46 B 3753	U-18	10K	1	46 B 3773	U-48	500K	4
46 B 3755	U-20	15K	1	46 B 3774	U-50	500K	4
46 B 3756	U-21	15K	1	46 B 3776	U-53	1 Meg	1
46 B 3783	U-26	20K	4	46 B 3777	U-54	1 Meg	4
46 B 3784	U-28A	25K	4	46 B 3781	U-56	2 Meg	4
46 B 3760	U-29	25K	4	46 B 3789	U-82	10 Meg	4
46 B 3761	U-33	50K	1				

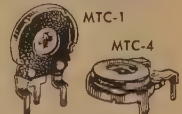
EACH.....1.02

EXPLANATION OF TAPERS*

Tapers No. 1: Nonlinear. For audio or antenna shunt circuits.
 Tapers No. 4: Linear. For voltage control.

MALLORY MTC MINIATURE TRIMMER CONTROLS

Subminiature potentiometers only 1/2" in diameter. Designed especially for printed circuitry. Also meets need for low wattage, carbon-type variable resistance source. Screwdriver slot adjustable. Rated at 1/4 watt. Linear taper. Uses include bias controls where initial setting is usually permanent except for servicing. 270° rotation, 180° with fixed end resistance. Wt., 1 oz.



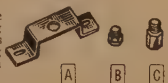
46 B 3673 C. Type MTC1 for Vertical PC Mounting. Terminals are arranged for stand-up mounting on PC circuitry. Available in resistance values listed in table, below. Specify values from Table "A". Each .39
 46 B 3674 C. Type MTC-4 for Horizontal PC Mounting. Terminals arranged so that control can be mounted flat. Resistance values listed in table, below. Specify values from Table "A". Each .39

TABLE "A"—VALUES AVAILABLE FROM STOCK

STANDARD RESISTANCE VALUES—SPECIFY VALUES WANTED											
Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Megs
100	300	1000	3000	6800	20K	100K	250K	500K	1		
200	500	1500	5000	10K	25K	120K	325K	.....	2		
250	750	2000	6000	15K	50K	180K	450K	.....	3.5		

MALLORY CONTROL MOUNTING ACCESSORIES

See-watt wirewound potentiometers designed espe-
 cially for replacement of television controls. Also excel-
 lent as voltage dividers and bias controls. In-
 dusted contact arm type, linear taper. Special dual
 tactor mechanism. 900 volts AC insulation between
 stator element and chassis. 297° rotation. Size,
 1" in diameter. Knurled stub shaft has screwdriver
 1/4" bushing. Shpg. wt., 4 oz.



Stock No.	Mfr's Type	Fig.	Description	EACH
6 B 3676	RB249	A	Mtg. bracket, mtg. ctrs. 2 1/2"	.05
6 B 3677	RB248	B	Mtg. bracket, mtg. ctrs. 1 3/4"	.05
6 B 3661	EB247	B	Extender	.13
7 B 4092	119	C	1/4" bushing (Pkg. of 5)	.75

IRC, Amphenol and Clarostat Controls

IRC SERIES PQ, RQ, RQL AND M CONTROLS



EXPLANATION OF TAPERS

Taper A. Linear curve for uniform resistance change.
Taper C. Left-hand logarithmic taper for audio circuit control.

Smooth carbon base element and "two-finger" wiper arm. Special-purpose controls can be made up by using a Type PQ, RQ or RQL with several M multi-sections. Type 76 switches (listed below) Types PQ, RQ and RQL have 3/4" threaded bushing. Body diameter including terminals is 1 1/4" maximum; depth behind panel, 3/4". Each Type M multi-section adds 1/2" to the depth. PQ types have shaft long, 1/4" diameter. RQ and RQL types have short shaft with screwdriver slot; shaft extends 1/4" beyond threaded bushing. Types RQ and RQL are identical except RQL has split bushing and locking nut—for permanent, vibration proof settings. Tolerance of all types is ±10%. Tinned terminals. Type PQ, RQ, RQL and sections feature 300 degree arc of rotation with or without switch. Power rating is watt, 500 volt maximum. Ground plate may be bent down out of the way, if needed. Av. shpg. wt., 4 oz.

Mfr's Type	Ohms	Taper	Stock No.	Stock No.	Stock No.	Stock No.
11-103	500	A	46 B 5510	46 B 5542	46 B 3271	46 B 5592
11-108	1000	A	46 B 5511	46 B 5543	46 B 3272	46 B 5574
11-110	2000	A	46 B 5512	46 B 5544	46 B 3273	46 B 5593
11-112	3000	A	46 B 5513	46 B 5545		
11-114	5000	A	46 B 5514	46 B 5546	46 B 3275	46 B 5575
11-115	7500	A	46 B 5515			
11-116	10K	A	46 B 5516	46 B 5548	46 B 3276	46 B 5576
11-116	10K	C	46 B 5517			
11-119	20K	A	46 B 5519		46 B 3277	
11-120	25K	A	46 B 5520		46 B 3278	46 B 5577
11-123	50K	A	46 B 5523	46 B 5555	46 B 3280	46 B 5578
11-123	50K	C	46 B 5524			
11-128	100K	C	46 B 5525	46 B 5558	46 B 3282	46 B 5579
11-128	100K	A	46 B 5527		46 B 3283	46 B 5580
11-129	200K	A			46 B 3284	46 B 5581
11-130	250K	C	46 B 5528	46 B 5560		
11-130	250K	A	46 B 5529		46 B 3286	46 B 5583
11-133	500K	C	46 B 5530	46 B 5562	46 B 3287	46 B 5584
11-133	500K	A	46 B 5531	46 B 5563	46 B 3288	46 B 5585
11-137	1.0 meg	A	46 B 5532	46 B 5564	46 B 3289	
11-137	1.0 meg	C	46 B 5533		46 B 3291	
11-139	2.0 meg	A	46 B 5535			
11-140	3.0 meg	A	46 B 5538	46 B 5570		
11-140	3.0 meg	C	46 B 5539			
11-141	5.0 meg	A	46 B 5540	46 B 5572		46 B 5594
11-143	10.0 meg	A	46 B 5541	46 B 5573		46 B 5590

PQ and RQ Controls..... Each 1.71
 M Multi-sections..... Each 1.62
 RQL Controls..... Each 1.77

IRC-CTS Q CONTROLS WITH UNIVERSAL SHAFTS



Knurled, flattened and slotted. 3" universal shaft can be cut to desired length. 1 1/2" body dia. 3/8" bushing, 1/4" long. Brass, tinned terminals for easy soldering. To gang, use M multi-sections on gang switch page. Less switches. For switches and explanations of taper see above. Av. shpg. wt., 4 oz.

Stock No.	Mfr's Type	Ohms	Taper	Stock No.	Mfr's Type	Ohms	Taper
46 B 5395	Q11-201	250	A	46 B 5318	Q13-128	100K	C
46 B 5300	Q11-103	500	A	46 B 5374	Q11-129	200K	A
46 B 5442	Q11-108	1000	A	46 B 5319	Q11-130	250K	A
	Q11-109	1500	A	46 B 5320	Q13-130	250K	C
46 B 5302	Q11-110	2000	A	46 B 5322	Q11-133	500K	A
46 B 5373	Q13-111	2500	C	46 B 5323	Q13-133	500K	C
46 B 5303	Q11-112	3000	A	46 B 5325	Q11-137	1 meg	A
46 B 5304	Q11-114	5000	A	46 B 5326	Q13-137	1 meg	C
46 B 5383	Q13-114	5000	C	46 B 5328	Q13-138	1.5 meg	A
46 B 5306	Q11-116	10K	A	46 B 5329	Q11-139	2 meg	A
46 B 5309	Q11-119	20K	A	46 B 5330	Q13-139	2 meg	C
46 B 5311	Q11-120	25K	A	46 B 5331	Q11-139	2.5 meg	A
46 B 5443	Q13-120	25K	C	46 B 5332	Q11 140	3 meg	A
46 B 5314	Q11-123	25K	A	46 B 5334	Q11-141	5 meg	A
46 B 5315	Q11-123	50K	A	46 B 5335	Q11-143	10 meg	A
46 B 5317	Q11-128	100K	A				

EACH..... 1.23

TYPE WPRL CONTROLS

Locking-type controls with screw-driver slot shaft, 1/4" dia. and approximately 1" long from mounting face. W 1/2" locking-type bushing and locking nut. Linear taper. Specify Type and Ohm Shpg. wt., 4 oz.

Ohms	Ohms	Ohms	Ohms	Ohms
5	25	250	2000	7500
2	30	400	2500	10K
8	80	500	3000	
1	150	750	4000	
20	200	1000	5000	

46 B 5859 C..... Each 1.
 15K 20K 25K.....
 46 B 5889 C..... Each 2.
 30K 50K.....

46 B 5890 C..... Each 2.

SWITCHES FOR WPRL CONTROLS

46 B 5218, Type 76-11, SPST, 2 oz.....
 46 B 5219, Type 76-12, DPST, 2 oz.....

AMPHENOL "MICROPOTS"



Model 2201B. Ten-turn, precision potentiometer. Independent linearity ±0.25%; resistance tolerance ±3%, except $\pm 0.5\%$ and $\pm 5\%$, respectively. Torque, not over 2 oz.-in. running, 3 oz.-in. starting. 10 in.-lb. stop strength. Av. life, 5 million revs. 2 1/2 x 1 1/4" dia. 7 oz.

Stock No.	Ohms	Stock No.	Ohms
46 B 7123	25	46 B 7128	5000
46 B 7124	50	46 B 7129	10K
46 B 7125	100	46 B 7130	20K
46 B 7126	500	46 B 7131	50K
46 B 7127	1000	46 B 7132	100K

1-9..... Each 10.00
 10-24..... Each 9.50



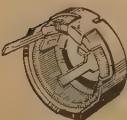
Model 2151B. 10-turn precision pot. Non-twisting, gold-plated terminal shaft-bushing mounting. ±0.25% dependent linearity. 3 watt at 40°C. -55° to 105°C. Rot. life, two-million rev. Total res. tol., ±5%. Stop strength, 8 in.-lb. Length 1.455". Shpg. wt., 7 oz.

Stock No.	Ohms	% Resolution	Stock No.	Ohms	% Resolution
46 B 3510	100	.054	46 B 3515	20K	.017
46 B 3511	500	.036	46 B 3516	30K	.0154
46 B 3512	1000	.0314	46 B 3517	50K	.011
46 B 3513	5000	.0193	46 B 3518	100K	.00885
46 B 3514	10K	.0208			

1-9..... Each 10
 10-24..... Each 9

CLAROSTAT SERIES U39 2-WATT WIREWOUND "HUMDINGER" CONTROLS

- For Printed Circuit Board or Above-Chassis Mounting
- Screwdriver Slot Adjustment • Insulated Mounting Plate



Versatile 2-watt wirewound controls. Designed for printed circuit board mounting, or for above-chassis mounting in other applications. All have linear taper. Resistance tolerance is ±20%. Controls do not have shafts; a slot is provided for screwdriver adjustment. Dimensions: 3/4" diameter; 1 1/2" long; 1" mounting centers. With insulated mounting plate. See table at right for available resistances. Av. shpg. wt., 2 oz.

Ohms	Ohms	Ohms	Ohms	Ohms
5	100	300	700	2000
8	125	500	800	300
50	150	600	1000	400
75	200	650	1500	500

Stock No.	Mfr's Type	Ohms (See Table Above)	EA
46 B 7970 C	U39	5 to 5000	.6

Sprague Solid Tantalums and Miniature Electrolytics

50D POLARIZED SOLID-TANTALUM CAPACITORS $\pm 20\%$ TOLERANCE

Wide selection of subminiature capacitors that combine true miniaturization with exceptional operational characteristics. Have low dissipation and stable capacitance ($\pm 20\%$) over a temperature range 0°C to $+85^{\circ}\text{C}$. May be operated to $+125^{\circ}\text{C}$ with appropriate voltage rating. Have hermetically-sealed metal case and solid electrolyte.

that cannot leak or corrode, even if seal is accidentally broken. Life test 2000 hours. Have insulating plastic sleeve. See case size code, then refer to price and size indicator.



Life Test:
2000 Hours

PRICE AND SIZE LOCATOR

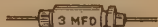
Case Size*	Diameter x Length	EACH	Case Size*	Diameter x Length	EACH	Case Size*	Diameter x Length	EACH	Case Size*	Diameter x Length	EACH	Case Size*	Diameter x Length	EACH
J	.135x.286	1.32	E	.135x.286	3.73	J	.185x.474	3.02	M	.289x.686	2.54	R	.351x.786	4.72
K	.135x.286	1.31	F	.135x.286	4.10	K	.185x.474	3.92	N	.289x.686	3.30	S	.351x.786	6.14
L	.135x.286	1.32	G	.185x.474	1.54	L	.185x.474	4.31	P	.289x.686	4.94	T	.351x.786	9.20
	.135x.286	2.87	H	.185x.474	2.02									

o.	Type 150 D-	μF	WV DC	Case Size*	Stock No.	Type 150 D-	μF	WV DC	Case Size*	Stock No.	Type 150 D-	μF	WV DC	Case Size*
3300	472X0035A2	.0047	35	A	43 B 3310	684X0035A2	.68	35	B	43 B 3284	685X0035B0	6.8	35	G
4550	682X0035A2	.0068	35	A	43 B 0062	684X0050A2	.68	50	C	43 B 0074	685X0050R2	6.8	50	N
3301	103X0035A2	.01	35	A	43 B 4569	684X0075A2	.68	75	D	43 B 4584	685X0075R2	6.8	75	P
0040	103X0050A2	.01	50	C	43 B 4570	684X0100B2	.68	100	K	43 B 3298	106X0020B2	10	20	G
3302	153X0035A2	.015	35	A	43 B 4571	684X0125B2	.68	125	L	43 B 3285	106X0035R2	10	35	M
3303	223X0035A2	.022	35	A	43 B 3311	105X0035A2	1.0	35	B	43 B 0076	106X0050R2	10	50	N
0044	223X0050A2	.022	50	C	43 B 0064	105X0050A2	1.0	50	C	43 B 0078	106X0075R2	10	75	P
3304	333X0035A2	.033	35	B	43 B 4572	105X0075B2	1.0	75	J	43 B 3299	156X0020B2	15	20	G
3305	473X0035A2	.047	35	B	43 B 4573	105X0100B2	1.0	100	K	43 B 3286	156X0035R2	15	35	M
0048	473X0050A2	.047	50	C	43 B 4574	105X0125B2	1.0	125	L	43 B 0078	156X0050R2	15	50	N
4552	683X0035A2	.068	35	B	43 B 3295	155X0020A2	1.5	20	B	43 B 4586	156X0075S2	15	75	T
4553	683X0050A2	.068	50	C	43 B 4575	155X0035B2	1.5	35	B	43 B 3294	226X0015B2	22	15	G
3306	104X0035A2	.1	35	B	43 B 0066	155X0050B2	1.5	50	H	43 B 3287	226X0035R2	22	35	M
0050	104X0050A2	.1	50	C	43 B 4576	155X0075B2	1.5	75	J	43 B 3288	226X0050S2	22	50	N
4554	104X0075A2	.1	75	D	43 B 4577	155X0100B2	1.5	100	K	43 B 4588	336X0010B2	33	10	G
4555	104X0100A2	.1	100	E	43 B 4578	155X0125B2	1.5	125	L	43 B 3281	336X0020R2	33	20	M
4556	104X0125A2	.1	125	F	43 B 3296	225X0020A2	2.2	20	B	43 B 3352	336X0035S2	33	35	R
3283	154X0035A2	.15	35	B	43 B 3312	225X0035B2	2.2	35	G	43 B 3276	476X0006B2	47	6	G
4559	154X0125A2	.15	125	F	43 B 0068	225X0050B2	2.2	50	H	43 B 3282	476X0020R2	47	20	M
0056	224X0050A2	.22	50	C	43 B 4579	225X0075B2	2.2	75	J	43 B 3354	476X0006B2	47	35	B
4561	224X0100A2	.22	100	E	43 B 4580	225X0100B2	2.2	100	K	43 B 3280	606X0006B2	60	6	G
4562	224X0125A2	.22	125	F	43 B 3293	335X0015A2	3.3	15	B	43 B 3278	686X0010R2	68	15	M
3308	334X0035A2	.33	35	B	43 B 3313	335X0035B2	3.3	35	B	43 B 3356	107X0010R2	100	10	M
0058	334X0050A2	.33	50	C	43 B 0070	335X0050B2	3.3	50	H	43 B 3279	107X0200S2	100	20	R
4564	334X0100A2	.33	100	E	43 B 4582	335X0075B2	3.3	75	J	43 B 3350	127X0010R2	120	10	M
4565	334X0125A2	.33	125	F	43 B 3290	475X0010A2	4.7	10	B	43 B 4597	157X0015S2	150	15	R
3309	474X0035A2	.47	35	B	43 B 3314	475X0035B2	4.7	35	B	43 B 3277	187X0006B2	187	6	G
0060	474X0050A2	.47	50	C	43 B 0072	475X0050B2	4.7	50	H	43 B 4585	227X0010S2	220	10	R
4566	474X0075A2	.47	75	D	43 B 4583	475X0075R2	4.7	75	P	43 B 0004	227X0060S2	270	6	R
4567	474X0100A2	.47	100	E	43 B 3288	685X0006A2	6.8	6	B	43 B 3359	337X0006S2	330	6	R
4568	474X0125B2	.47	125	F										

TYPE TE (30D) "LITTL-LYTIC" SUBMINIATURE CAPACITORS

Extensive selection of ultra-small Series 30D electrolytics. Excellent use in transistor radios, transistor circuits in hearing aids, pocket recorders, wireless microphones, and other miniature electronic equipment. Hermetically sealed, aluminum enclosed. All-welded construction—no pressure joints to cause open or

in permanent cracks. Extremely low leakage current and long shelf life. Withstand temperatures up to 85°C . Size given in table below is dia. x length. Av. wt. 2 oz.



IMPORTANT: Where capacitance is found in 2 or more voltage ratings with nearly same case size and price, normally only the higher voltage

unit is listed. A higher voltage rating can be substituted for one of lower value provided μF rating remains equal.

Stock No.	Type	TE	μF	WV DC	Size	EA.	Stock No.	Type	TE	μF	WV DC	Size	EA.	Stock No.	Type	TE	μF	WV DC	Size	EA.
1739	1052.2	5	3	174x.356	.51	43 B 6623	1119.6	200	10	236x.1196	.96	43 B 6636	1206	20	25	214x.474	.81			
1742	1053	10	3	174x.356	.51	43 B 6044	1127	5	12	174x.356	.57	43 B 6637	1207	25	25	214x.474	.81			
6028	1055	25	3	174x.356	.51	43 B 6045	1128	10	12	174x.356	.57	43 B 6638	1208	35	25	214x.474	.81			
1746	1057	40	3	174x.356	.72	43 B 1763	1129	15	12	174x.356	.57	43 B 6639	1209	50	25	214x.474	.81			
1747	1058	50	3	174x.356	.72	43 B 1013	1130	20	12	174x.474	.57	43 B 1024	1210	75	25	214x.474	.81			
748	1059	75	3	214x.474	.75	43 B 1765	1131	25	12	214x.474	.75	43 B 6641	1211	100	25	214x.474	.81			
1003	1059.5	100	3	214x.474	.81	43 B 1014	1132	35	12	214x.474	.75	43 B 1784	1300	1	50	174x.356	.54			
1003	1061	150	3	214x.474	.81	43 B 1767	1133	50	12	214x.474	.81	43 B 6642	1301	2	50	174x.356	.54			
6654	1064	200	3	214x.474	.81	43 B 1768	1134	75	12	214x.474	.81	43 B 1785	1302	3	50	174x.356	.54			
1004	1065	250	3	214x.474	.81	43 B 1769	1135	100	12	214x.474	.81	43 B 6643	1302.1	4	50	174x.356	.54			
6656	1066	300	3	236x.1196	.87	43 B 1771	1137	200	12	236x.1196	.96	43 B 1786	1303	5	50	174x.474	.81			
1005	1067	400	3	236x.1196	.93	43 B 1772	1138	250	12	236x.1196	.96	43 B 1025	1303.1	6	50	174x.474	.81			
6658	1068	500	3	236x.1196	.99	43 B 1018	1154	8	15	174x.474	.57	43 B 1788	1303.3	8	50	174x.474	.81			
1006	1084	5	6	174x.356	.54	43 B 6624	1152	5	15	174x.356	.57	43 B 1789	1304	10	50	214x.474	.81			
1750	1085	6	6	174x.356	.54	43 B 1777	1153	6	15	174x.356	.57	43 B 1790	1304.2	11	50	214x.474	.81			
6035	1086	8	6	174x.356	.54	43 B 6630	1159	35	15	214x.474	.57	43 B 6644	1305	20	50	214x.356	.81			
6036	1087	10	6	174x.356	.54	43 B 6625	1155	10	15	174x.356	.57	43 B 6646	1306	35	50	214x.356	.81			
6037	1089	15	6	174x.356	.54	43 B 6626	1156	15	15	174x.356	.57	43 B 6645	1307	50	50	214x.356	.81			
1751	1090	20	6	174x.356	.54	43 B 1019	1157	20	15	174x.356	.57	43 B 1026	1400	1	100	174x.356	.81			
6038	1091	25	6	174x.356	.54	43 B 6628	1157.1	25	15	174x.356	.57	43 B 1792	1401	2	100	174x.356	.81			
6039	1092	30	6	174x.474	.57	43 B 6629	1158	30	15	214x.474	.75	43 B 1794	1403	4	100	214x.474	.81			
1009	1093	35	6	174x.474	.57	43 B 1023	1201.5	8	25	174x.474	.57	43 B 6646	1404	5	100	214x.474	.81			
1006	1095	15	6	174x.474	.57	43 B 6631	1160	50	15	214x.474	.81	43 B 1795	1405	6	100	214x.356	.81			
6041	1100	50	6	214x.474	.75	43 B 1020	1161	75	15	214x.474	.81	43 B 6647	1407	10	100	214x.356	.81			
6026	1101	60	6	214x.474	.75	43 B 6633	1162	100	15	214x.474	.81	43 B 1028	1408	15	100	214x.474	.81			
6659	1101.5	75	6	214x.474	.81	43 B 6634	1163	150	15	236x.1196	.87	43 B 6649	1409	20	100	236x.1196	.84			
1753	1102	100	6	214x.474	.81	43 B 6635	1164	200	15	236x.1196	.96	43 B 1797	1500	1	150	174x.356	.81			
1007	1103	150	6	214x.474	.81	43 B 1021	1201	25	15	214x.474	.81	43 B 1029	1501	2	150	174x.356	.81			
1007	1104	200	6	236x.1196	.84	43 B 1780	1201	2	25	174x.356	.57	43 B 1029	1502	3	150	174x.356	.81			
1008	1105	250	6	236x.1196	.87	43 B 1021	1201.1	3	25	174x.356	.57	43 B 1799	1503	4	150	214x.356	.84			
6661	1106	300	6	236x.1196	.93	43 B 1022	1201.2	4	25	174x.356	.57	43 B 6651	1504	5	150	214x.356	.84			
1756	1114	10	10	174x.474	.57	43 B 6046	1202	5	25	174x.356	.57	43 B 1800	1505	6	150	214x.356	.84			
6043	1118	25	10	174x.474	.75	43 B 6047	1203	6	25	174x.356	.57	43 B 1801	1506	8	150	214x.356	.84			
6021	1119	50	10	174x.474	.81	43 B 6048	1204	10	25	174x.356	.57	43 B 1802	1507	10	150	214x.356	.84			
6021	1119.3	100	10	214x.556	.81	43 B 6049	1205	15	25	174x.356	.60	43 B 6652	1507	10	150	214x.356	.84			

Sprague Twist-Lok and Miniature Electrolytics



"Twist-Lok" hermetically sealed aluminum can capacitors. All rated +85°C. Up to 150 WVDC, tolerance is -10%, +100%; above 150 WVDC, -10%, +50%. Can is common negative.

Terminals welded to cathode. *PCL "Print-Lok" types for printed circuit mountings or std. twist-base mounts. With phenolic and metal mounting washers.

Code	Dia. x L	Code	Dia. x L	Code	Dia. x L	Code	Dia. x L	Code	Dia. x L	Code	Dia. x L
A	1/2 x 2"	C	1 1/2 x 2"	E	1 1/2 x 2"	G	1 1/2 x 2"	J	1 1/2 x 2"	K	1 1/2 x 2"
B	1 x 2"	D	1 3/4 x 2"	F	1 3/4 x 2"	H	1 3/4 x 2"	L	1 3/4 x 2"	M	1 3/4 x 2"

SINGLE SECTION Av. shpg. wt., 1 lb.

Stock No.	Capacity μ F	WV DC	TVL *PCL Type	Size	EACH	Stock No.	Capacity μ F	WV DC	TVL *PCL Type	Size	EACH	Stock No.	Capacity μ F	WV DC	TVL *PCL Type	Size	EACH
43 B 9620	225	15	1160	A	1.05	43 B 9065	125	200	1470	C	1.68	43 B 9329	40	350	1621	B	1.68
43 B 9364	1000	15	1165	K	1.53	43 B 9067	150	200	1471	D	1.68	43 B 9332	125	350	1638	H	1.68
43 B 9603	4000	15	1173	M	2.25	43 B 9343	180	200	1473	G	1.89	43 B 9083	250	350	1644.2	M	1.68
43 B 9362	500	25	1220	M	1.53	43 B 9341	180	200	1474	H	1.89	43 B 9084	320	350	1645	M	1.68
43 B 9363	1000	25	1230	G	2.13	43 B 9342	200	250	1547	H	2.19	43 B 9314	10	450	1705	M	1.68
43 B 9357	100	50	1317	A	.99	43 B 9068	200	200	1475	F	1.89	43 B 9316	20	450	1714	B	1.68
43 B 9604	250	50	1324	B	1.20	43 B 9069	500	200	1490	K	2.19	43 B 9317	30	450	1720	C	1.68
43 B 9359	1000	50	1338	H	2.25	43 B 9071	20	250	1509	B	.96	43 B 9324	40	450	1725	C	1.68
43 B 9360	1500	50	1341	J	2.24	43 B 9073	100	250	1539	G	1.86	43 B 9325	60	450	1728	C	1.68
43 B 9062	50	150	1415	L	.99	43 B 9074	160	250	1541	G	1.86	43 B 9622	60	450	1730	H	1.68
43 B 9346	100	150	1423	M	1.20	43 B 9076	160	250	1541.1	M	1.86	43 B 9326	80	450	1735	H	1.68
43 B 9063	120	150	1425	B	1.29	43 B 9077	80	300	1573	C	1.53	43 B 9327	100	450	1750	H	1.68
43 B 9348	140	150	1428	C	1.29	43 B 9080	100	300	1578	C	1.74	43 B 9328	125	450	1760	H	1.68
43 B 9351	200	150	1431	G	1.47	43 B 9093	120	300	1580	C	2.01	43 B 9308	20	500	1843	C	1.68
43 B 9064	200	150	1431.1	D	1.47	43 B 9336	150	300	1584	K	2.01	43 B 9310	40	500	1950	C	1.68
43 B 9352	300	150	1434	G	1.68	43 B 9337	250	300	1590	L	3.33	43 B 9085	80	500	1958	G	1.68

DUAL SECTION Av. shpg. wt., 1 1/2 lbs.

Stock No.	Capacity μ F	WV DC	TVL *PCL Type	Size	EACH	Stock No.	Capacity μ F	WV DC	TVL *PCL Type	Size	EACH	Stock No.	Capacity μ F	WV DC	TVL *PCL Type	Size	EACH
43 B 9120	1000-1000	15	2160	C	2.64	43 B 9396	20-20	350	2626	B	1.38	43 B 9382	40-20	450	2762	G	1.68
43 B 9117	100-100	50	2325	M	1.26	43 B 9397	30-30	350	2628	C	1.74	43 B 9383	40-40	450	2764	H	1.68
43 B 9088	30-30	150	2422	M	1.11	43 B 9093	80-80	350	2635	G	2.82	43 B 9384	50-50	450	2767	J	1.68
43 B 9102	40-40	150	2428	M	1.14	43 B 9639	100-60	350	2639	K	2.88	43 B 9386	60-60	450	2772	J	1.68
43 B 9104	200-200	150	2432	M	1.61	43 B 9094	160-10	350	2643	H	2.58	43 B 9389	80-40	450	2778	K	1.68
43 B 9105	50-50	150	2435	M	1.29	43 B 9095	200-200	350	2645.5	M	3.72	43 B 9110	80-80	450	2787.5	K	1.68
43 B 9107	80-40	150	2442	G	1.38	43 B 9641	80-80	400-200	2651	K	2.37	43 B 9111	80-80	450	2779	J	1.68
43 B 9114	200-5	150	2444	J	1.62	43 B 9096	80-100	450-200	2756	H	2.25	43 B 9112	80-160	475-250	2808	K	1.68
43 B 9404	150-150	250	2533	H	3.09	43 B 9099	20-100	450-250	2722.1	K	3.4	43 B 9113	20-100	450	2813	C	1.68
43 B 9346	200-200	250	2538	B	6.3	43 B 9100	80-200	450-250	2728.8	K	3.45	43 B 9369	20-20	500	2935	G	1.68
43 B 9089	40-30	300	2574	D	1.59	43 B 9101	80-2	450-350	2738.5	G	2.01	43 B 9370	30-30	500	2937	H	1.68
43 B 9090	80-80	300	2585	G	2.43	43 B 9109	30-10	450	2757	C	1.44	43 B 9371	40-40	500	2940	H	1.68
43 B 9092	150-100	300	2591	H	3.24	43 B 9379	20-20	450	2755	C	1.53	43 B 9372	60-40	500	2944	K	1.68
43 B 9395	15-15	350	2625	B	1.35												

TRIPLE SECTION Av. shpg. wt., 1 1/2 lbs.

Stock No.	Capacity μ F	WV DC	TVL *PCL Type	Size	EACH	Stock No.	Capacity μ F	WV DC	TVL *PCL Type	Size	EACH	Stock No.	Capacity μ F	WV DC	TVL *PCL Type	Size	EACH
43 B 9186	40-20-20	150	3437	M	1.44	43 B 9123	20-20-20	350-25	3636	B	1.74	43 B 9171	50-20-4	450-350	3774.6	E	1.68
43 B 9187	40-30-20	150	3438	B	1.50	43 B 9812	30-20-20	350-350-25	3635	B	1.80	43 B 9178	10-80-80	400-450	3775.8	E	1.68
43 B 9188	40-40-40	150	3440	B	1.56	43 B 9124	30-30-30	350-350-30	3636	B	1.80	43 B 9179	15-15-15	450	3778.2	C	1.68
43 B 9190	50-50-50	150	3442	D	1.80	43 B 9134	100-60-20	350-200	3639.3	K	3.00	43 B 9131	20-10-10	450	3779	D	1.68
43 B 9191	60-40-20	150	3443	B	1.65	43 B 9820	80-60-60	350	3642	K	3.33	43 B 9132	20-20-20	450	3780	G	1.68
43 B 9116	80-40-20	150	3444	B	1.74	43 B 9140	80-40-100	400-450	3683	H	3.00	43 B 9136	40-40-10	450	3785	H	1.68
43 B 9194	200-100-60	150	3450	H	2.73	43 B 9618	80-40-150	400-450	3684	K	3.15	43 B 9137	40-40-20	450	3786	H	1.68
43 B 9627	250-200-10	150	3458	H	2.88	43 B 9163	100-10-40	400-450	3688.4	K	3.66	43 B 9138	40-40-40	450	3787.5	H	1.68
43 B 9184	60-200-140	200-150	3461.4	C	1.98	43 B 9823	100-100-200	450-200-25	3708.2	E	2.16	43 B 9139	50-20-20	450	3789	E	1.68
43 B 9644	60-5-20	200-200-50	3467	C	1.58												
43 B 9118	250-20-20	200	3490	K	3.99	43 B 9153	20-160-40	450-250-150	3711.3	H	2.91	43 B 9151	80-40-20	450	3793	J	1.68
43 B 9700	200-20-20	250	3532	B	1.56	43 B 9159	50-160-160	450-350-250	3713.4	K	4.74	43 B 9182	10-40-10	475-350-50	3806.6	B	1.68
43 B 9177	100-60-20	300	3556	K	2.94	43 B 9161	40-40-20	450-450-25	3744	J	1.83	43 B 9826	40-80-10	475-450-450	3816	E	1.68
43 B 9191	125-60-20	300-50	3574.6	K	3.00	43 B 9168	60-60-50	450-450-25	3754.4	J	3.30	43 B 9122	30-20-20	500	3956	C	1.68
43 B 9615	60-200-30	350	3508.6	J	3.12	43 B 9157	80-20-100	450-450-50	3757	K	2.88	43 B 9185	50-40-40	475-25	3816.11	C	1.68
43 B 9811	125-5-10	350-275-5	3610	J	3.18												

FOUR SECTION Av. shpg. wt., 1 1/2 lbs.

Stock No.	Capacity μ F	WVDC	TVL Type	Size	EACH	Stock No.	Capacity μ F	WVDC	TVL Type	Size	EACH	Stock No.	Capacity μ F	WVDC	TVL Type	Size	EACH
43 B 9091	60-40-20-200	150-150-150-10	4414	A	2.07	43 B 9262	25-100-10-60	450-300-250	4703.5	D	1.68	43 B 9262	25-100-10-60	450-300-250	4703.5	D	1.68
43 B 9087	80-40-40-20	150-150-150-25	4430	G	2.13	43 B 9264	80-20-100-25	450-350-25	4705.3	H	1.68	43 B 9300	10-140-100-20	450-350-300	4705.9	G	1.68
43 B 9097	250-200-10-25	150-150-150-50	4441	L	3.21	43 B 9301	40-10-10-20	450-400-400	4712.5	G	1.68	43 B 9305	50-40-40-40	450-150-25	4712.10	G	1.68
43 B 9828	200-200-60-30	175	4450	K	3.33	43 B 9313	30-20-30-50	450-250-50	4714.2	J	1.68	43 B 9318	30-20-160-40	450-250-150	4714.4	K	1.68
43 B 9331	100-240-140-30	300-150-150-150	4559	K	3.06	43 B 9319	30-50-100-250	450-250-50	4714.5	K	1.68	43 B 9319	30-50-100-250	450-250-50	4714.5	K	1.68
43 B 9072	100-10-200-30	300-300-150-150	4561	K	3.54	43 B 9335	30-20-160-10	450-250	4714.10	G	1.68	43 B 9335	30-20-160-10	450-250	4714.10	G	1.68
43 B 9136	140-10-200-30	300-150-150	4561.3	K	3.75	43 B 9354	30-20-4-200	450-350-250	4716.4	K	1.68	43 B 9354	30-20-4-200	450-350-250	4716.4	K	1.68
43 B 9833	150-40-30-50	300-150-150-50	4579	J	2.73	43 B 9361	10-10-10-20	450-25	4723	F	1.68	43 B 9361	10-10-10-20	450-25	4723	F	1.68
43 B 9722	40-40-20-10	300	4587	K	3.99	43 B 9878	40-40-30-30	450-450-350-350	4720	F	1.68	43 B 9878	40-40-30-30	450-450-350-350	4720	F	1.68
43 B 9197	150-100-10-5	350-200-50	4603.13	F	1.80	43 B 9043	40-10-10-20	450-450-450-25	4739	J	1.68	43 B 9043	40-10-10-20	450-450-450-25	4739	J	1.68
43 B 9198	5-100-20-10	350-200-25	4603.15	F	2.34	43 B 9380	80-50-10-20	450-25	4739.9	K	1.68	43 B 9380	80-50-10-20	450-25	4739.9	K	1.68
43 B 9853	140-100-20-20	350-300-300-300	4605.3	K	3.75	43 B 9385	20-30-80-40	450-150	4754	K	1.68	43 B 9385	20-30-80-40	450-150	4754	K	1.68
43 B 9866	160-60-10-4	350-300-300-300	4605.5	K	3.75	43 B 9388	20-30-10-20	450-350	4757.12	G	1.68	43 B 9388	20-30-10-20	450-350	4757.12	G	1.68
43 B 9867	60-20-80-100	350-150-150-50	4608	J	2.94	43 B 9033	20-20-20-20	450	4760	G	1.68	43 B 9033	20-20-20-20	450	4760	G	1.68

Sprague Capacitors and Assortments

ANGE DROP" CAPACITORS

"LAR"-PAPER et dual dielec- range Drops" ie best features of Mylar and special or tissue. Rock-hard case with space-radiat leads. Double-dipped in epoxy resin for protection from ex-hat and humidity. Outer foil lead- ed by black striping. Temperature -40°C to +80°C; can operate to with proper voltage derating. Toler- 10%. Shpg. wt., 2 oz.

TYPE 225P RECTANGULAR

eight by thickness. $\frac{3}{16}$ " long, except $\frac{1}{16}$ ".

k	Mfr's Type	μF	WV DC	Size Inches	E.A.
5701549R75	15*	75	50	$\frac{1}{2} \times \frac{1}{4} \times \frac{1}{4}$	.21
5712249R75	22*	75	50	$\frac{1}{2} \times \frac{1}{4} \times \frac{1}{4}$	.27
5723349R75	33*	75	50	$\frac{1}{2} \times \frac{1}{4} \times \frac{1}{4}$	.33
5734749R75	47*	75	50	$\frac{1}{2} \times \frac{1}{4} \times \frac{1}{4}$	.39
5746849R75	68*	75	50	$\frac{1}{2} \times \frac{1}{4} \times \frac{1}{4}$	.54
5751059R75	1.0†	75	50	$\frac{1}{2} \times \frac{1}{4} \times \frac{1}{4}$	.66
5761029†	.001	100	50	$\frac{1}{2} \times \frac{1}{4} \times \frac{1}{4}$	.15
5771529†	.0015	100	50	$\frac{1}{2} \times \frac{1}{4} \times \frac{1}{4}$	.15
5782229†	.0022	100	50	$\frac{1}{2} \times \frac{1}{4} \times \frac{1}{4}$	.15
5793729†	.0033	100	50	$\frac{1}{2} \times \frac{1}{4} \times \frac{1}{4}$	.15
5804729†	.0047	100	50	$\frac{1}{2} \times \frac{1}{4} \times \frac{1}{4}$	.15
5810829†	.0068	100	50	$\frac{1}{2} \times \frac{1}{4} \times \frac{1}{4}$	.15
5821039†	.01	100	50	$\frac{1}{2} \times \frac{1}{4} \times \frac{1}{4}$	.15
6001539†	.015	100	50	$\frac{1}{2} \times \frac{1}{4} \times \frac{1}{4}$	.15
6002239†	.022	100	50	$\frac{1}{2} \times \frac{1}{4} \times \frac{1}{4}$	.15
6013339†	.033	100	50	$\frac{1}{2} \times \frac{1}{4} \times \frac{1}{4}$	.15
6013939†	.039	100	50	$\frac{1}{2} \times \frac{1}{4} \times \frac{1}{4}$	.15
6054739†	.047	100	50	$\frac{1}{2} \times \frac{1}{4} \times \frac{1}{4}$	.15
6085639†	.056	100	50	$\frac{1}{2} \times \frac{1}{4} \times \frac{1}{4}$	.18
6096839†	.068	100	50	$\frac{1}{2} \times \frac{1}{4} \times \frac{1}{4}$	.18
6118239†	.082	100	50	$\frac{1}{2} \times \frac{1}{4} \times \frac{1}{4}$	.18
6181049†	.1	100	50	$\frac{1}{2} \times \frac{1}{4} \times \frac{1}{4}$	.18

TYPE 220P TUBULAR

10172PS-S20	.02	200	$\frac{1}{2} \times \frac{1}{4} \times \frac{1}{4}$	.15
10182PS-S47	.047	200	$\frac{1}{2} \times \frac{1}{4} \times \frac{1}{4}$	.15
10192PS-S50	.05	200	$\frac{1}{2} \times \frac{1}{4} \times \frac{1}{4}$	.15
10202PS-P10	.1	200	$\frac{1}{2} \times \frac{1}{4} \times \frac{1}{4}$	.21
11382PS-P20	.2	200	$\frac{1}{2} \times \frac{1}{4} \times \frac{1}{4}$	.24
20212PS-P25	.25	200	$\frac{1}{2} \times \frac{1}{4} \times \frac{1}{4}$	.24
9712PS-P33	.33	200	$\frac{1}{2} \times \frac{1}{4} \times \frac{1}{4}$	.30
9712PS-P47	.47	200	$\frac{1}{2} \times \frac{1}{4} \times \frac{1}{4}$	.36
30222PS-P50	.5	200	$\frac{1}{2} \times \frac{1}{4} \times \frac{1}{4}$	.36
30234PS-S10	.01	400	$\frac{1}{2} \times \frac{1}{4} \times \frac{1}{4}$	.15
30244PS-S20	.02	400	$\frac{1}{2} \times \frac{1}{4} \times \frac{1}{4}$	.15
30264PS-S47	.047	400	$\frac{1}{2} \times \frac{1}{4} \times \frac{1}{4}$	.18
30274PS-S50	.05	400	$\frac{1}{2} \times \frac{1}{4} \times \frac{1}{4}$	.18
79114PS-S68	.068	400	$\frac{1}{2} \times \frac{1}{4} \times \frac{1}{4}$	.21
30284PS-P10	.1	400	$\frac{1}{2} \times \frac{1}{4} \times \frac{1}{4}$	.21
30294PS-P20	.2	400	$\frac{1}{2} \times \frac{1}{4} \times \frac{1}{4}$	.27
30304PS-P22	.22	400	$\frac{1}{2} \times \frac{1}{4} \times \frac{1}{4}$	.27
30314PS-P25	.25	400	$\frac{1}{2} \times \frac{1}{4} \times \frac{1}{4}$	.30
30326PS-D10	.001	600	$\frac{1}{2} \times \frac{1}{4} \times \frac{1}{4}$	.15
30336PS-D15	.0015	600	$\frac{1}{2} \times \frac{1}{4} \times \frac{1}{4}$	.15
30346PS-D20	.002	600	$\frac{1}{2} \times \frac{1}{4} \times \frac{1}{4}$	.15
79266PS-D25	.0025	600	$\frac{1}{2} \times \frac{1}{4} \times \frac{1}{4}$	.15
79146PS-D33	.0033	600	$\frac{1}{2} \times \frac{1}{4} \times \frac{1}{4}$	.15
79286PS-D39	.0039	600	$\frac{1}{2} \times \frac{1}{4} \times \frac{1}{4}$	.15
30436PS-D47	.0047	600	$\frac{1}{2} \times \frac{1}{4} \times \frac{1}{4}$	.15
30496PS-D50	.005	600	$\frac{1}{2} \times \frac{1}{4} \times \frac{1}{4}$	.15
79296PS-D56	.0056	600	$\frac{1}{2} \times \frac{1}{4} \times \frac{1}{4}$	.15
30516PS-D68	.0068	600	$\frac{1}{2} \times \frac{1}{4} \times \frac{1}{4}$	.18
79306PS-D82	.0082	600	$\frac{1}{2} \times \frac{1}{4} \times \frac{1}{4}$	.18
30526PS-S10	.01	600	$\frac{1}{2} \times \frac{1}{4} \times \frac{1}{4}$	.18
30536PS-S15	.015	600	$\frac{1}{2} \times \frac{1}{4} \times \frac{1}{4}$	.18
30546PS-S20	.02	600	$\frac{1}{2} \times \frac{1}{4} \times \frac{1}{4}$	.18
30556PS-S22	.022	600	$\frac{1}{2} \times \frac{1}{4} \times \frac{1}{4}$	.18
79016PS-S25	.025	600	$\frac{1}{2} \times \frac{1}{4} \times \frac{1}{4}$	.21
79356PS-S33	.033	600	$\frac{1}{2} \times \frac{1}{4} \times \frac{1}{4}$	.21
79366PS-S39	.039	600	$\frac{1}{2} \times \frac{1}{4} \times \frac{1}{4}$	.21
386PS-S47	.047	600	$\frac{1}{2} \times \frac{1}{4} \times \frac{1}{4}$	.24
396PS-S50	.05	600	$\frac{1}{2} \times \frac{1}{4} \times \frac{1}{4}$	.24
146PS-S56	.056	600	$\frac{1}{2} \times \frac{1}{4} \times \frac{1}{4}$	.24
56PS-S68	.068	600	$\frac{1}{2} \times \frac{1}{4} \times \frac{1}{4}$	.27
396PS-S82	.082	600	$\frac{1}{2} \times \frac{1}{4} \times \frac{1}{4}$	.27
16PS-P10	.1	600	$\frac{1}{2} \times \frac{1}{4} \times \frac{1}{4}$	.27
7136PS-P15	.15	600	$\frac{1}{2} \times \frac{1}{4} \times \frac{1}{4}$	.30
396PS-P20	.2	600	$\frac{1}{2} \times \frac{1}{4} \times \frac{1}{4}$	.30
7936PS-P22	.22	600	$\frac{1}{2} \times \frac{1}{4} \times \frac{1}{4}$	.42
36PS-P25	.25	600	$\frac{1}{2} \times \frac{1}{4} \times \frac{1}{4}$	.45
3010PS-D10	.001	1000	$\frac{1}{2} \times \frac{1}{4} \times \frac{1}{4}$	.30
3010PS-D50	.005	1000	$\frac{1}{2} \times \frac{1}{4} \times \frac{1}{4}$	.30

"BLACK BEAUTY" "MYLAR" PAPER TELECAPS



Molded tubular capacitors built to withstand high heat and humidity. Impregnated Mylar/paper dielectric will not leak. 200 to 1600 volt types operate to 105°C without derating; 6000 volt up to 85°C. 6000 volt types are oil impregnated. $\pm 10\%$ Wt., 3 oz.

Stock No.	Mfr's Type	μF	WV DC	Size Dia. x L.	E.A.
43 B 5119	2TM-S10	.01	200	$\frac{1}{2} \times 1 \frac{1}{2}$	.18
43 B 5120	2TM-S20	.02	200	$\frac{1}{2} \times 1 \frac{1}{2}$	.18
43 B 5149	2TM-S47	.047	200	$\frac{1}{2} \times 1 \frac{1}{2}$	.21
43 B 5121	2TM-S50	.05	200	$\frac{1}{2} \times 1 \frac{1}{2}$	.21
43 B 5122	2TM-P10	.1	200	$\frac{1}{2} \times 1 \frac{1}{2}$	.21
43 B 5145	2TM-P15	.15	200	$\frac{1}{2} \times 1 \frac{1}{2}$	.24
43 B 5146	2TM-P22	.22	200	$\frac{1}{2} \times 1 \frac{1}{2}$	.33
43 B 5147	2TM-P25	.25	200	$\frac{1}{2} \times 1 \frac{1}{2}$	.36
43 B 5148	2TM-P47	.47	200	$\frac{1}{2} \times 1 \frac{1}{2}$	.42
43 B 5123	2TM-P50	.5	200	$\frac{1}{2} \times 1 \frac{1}{2}$	.75
43 B 5124	2TM-P10	1.0	200	$\frac{1}{2} \times 1 \frac{1}{2}$	1.05
43 B 5118	4TM-D10	.001	400	$\frac{1}{2} \times 1 \frac{1}{2}$	.18
43 B 5117	4TM-D50	.005	400	$\frac{1}{2} \times 1 \frac{1}{2}$	.18
43 B 5125	4TM-S10	.01	400	$\frac{1}{2} \times 1 \frac{1}{2}$	.18
43 B 5001	4TM-S15	.015	400	$\frac{1}{2} \times 1 \frac{1}{2}$	.18
43 B 5126	4TM-S20	.02	400	$\frac{1}{2} \times 1 \frac{1}{2}$	.18
43 B 5002	4TM-S25	.025	400	$\frac{1}{2} \times 1 \frac{1}{2}$	.21
43 B 5014	4TM-S47	.047	400	$\frac{1}{2} \times 1 \frac{1}{2}$	.21
43 B 5127	4TM-S50	.05	400	$\frac{1}{2} \times 1 \frac{1}{2}$	.24
43 B 5128	4TM-P10	1.0	400	$\frac{1}{2} \times 1 \frac{1}{2}$	.24
43 B 5011	4TM-P15	.15	400	$\frac{1}{2} \times 1 \frac{1}{2}$	.33
43 B 5012	4TM-P20	.2	400	$\frac{1}{2} \times 1 \frac{1}{2}$	.36
43 B 5012	4TM-P22	.22	400	$\frac{1}{2} \times 1 \frac{1}{2}$	.36
43 B 5129	4TM-P25	.25	400	$\frac{1}{2} \times 1 \frac{1}{2}$	.36
43 B 5005	4TM-P47	.47	400	$\frac{1}{2} \times 1 \frac{1}{2}$	.63
43 B 5004	6TM-P50	.5	400	$\frac{1}{2} \times 1 \frac{1}{2}$	.75
43 B 5009	6TM-T10	1.0	400	$\frac{1}{2} \times 1 \frac{1}{2}$	1.26
43 B 6250	6TM-W1	.0001	600	$\frac{1}{2} \times 1 \frac{1}{2}$	.18
43 B 6251	6TM-T25	.00025	600	$\frac{1}{2} \times 1 \frac{1}{2}$	.18
43 B 6253	6TM-T50	.0005	600	$\frac{1}{2} \times 1 \frac{1}{2}$	.18
43 B 5070	6TM-D10	.001	600	$\frac{1}{2} \times 1 \frac{1}{2}$	.18
43 B 5084	6TM-D15	.0015	600	$\frac{1}{2} \times 1 \frac{1}{2}$	.18
43 B 5071	6TM-D20	.002	600	$\frac{1}{2} \times 1 \frac{1}{2}$	.18
43 B 5095	6TM-D25	.0025	600	$\frac{1}{2} \times 1 \frac{1}{2}$	.18
43 B 5072	6TM-D30	.003	600	$\frac{1}{2} \times 1 \frac{1}{2}$	.18
43 B 5073	6TM-D40	.004	600	$\frac{1}{2} \times 1 \frac{1}{2}$	.18
43 B 5093	6TM-D47	.0047	600	$\frac{1}{2} \times 1 \frac{1}{2}$	.18
43 B 5074	6TM-D50	.005	600	$\frac{1}{2} \times 1 \frac{1}{2}$	.21
43 B 6254	6TM-D68	.0068	600	$\frac{1}{2} \times 1 \frac{1}{2}$	.21
43 B 5076	6TM-S10	.01	600	$\frac{1}{2} \times 1 \frac{1}{2}$	.18
43 B 5094	6TM-S15	.015	600	$\frac{1}{2} \times 1 \frac{1}{2}$	.21
43 B 5077	6TM-S20	.02	600	$\frac{1}{2} \times 1 \frac{1}{2}$	.21
43 B 6255	6TM-S22	.022	600	$\frac{1}{2} \times 1 \frac{1}{2}$	.21
43 B 5096	6TM-S25	.025	600	$\frac{1}{2} \times 1 \frac{1}{2}$	.21
43 B 5078	6TM-S30	.03	600	$\frac{1}{2} \times 1 \frac{1}{2}$	.21
43 B 5079	6TM-S40	.04	600	$\frac{1}{2} \times 1 \frac{1}{2}$	.24
43 B 5098	6TM-S47	.047	600	$\frac{1}{2} \times 1 \frac{1}{2}$	.24
43 B 5080	6TM-S50	.05	600	$\frac{1}{2} \times 1 \frac{1}{2}$	.27
43 B 5081	6TM-S68	.068	600	$\frac{1}{2} \times 1 \frac{1}{2}$	.27
43 B 5082	6TM-P10	.1	600	$\frac{1}{2} \times 1 \frac{1}{2}$	.33
43 B 5524	6TM-P15	.15	600	$\frac{1}{2} \times 1 \frac{1}{2}$	.45
43 B 5525	6TM-P20	.2	600	$\frac{1}{2} \times 1 \frac{1}{2}$	.60
43 B 5008	6TM-P22	.22	600	$\frac{1}{2} \times 1 \frac{1}{2}$	.60
43 B 5083	6TM-P25	.25	600	$\frac{1}{2} \times 1 \frac{1}{2}$	1.02
43 B 6260	6TM-P50	.5	600	$\frac{1}{2} \times 1 \frac{1}{2}$	1.05
43 B 6261	6TM-M1	1.0	600	$\frac{1}{2} \times 1 \frac{1}{2}$	1.38
43 B 5928	10TM-T50	.0005	1000	$\frac{1}{2} \times 1 \frac{1}{2}$	.30
43 B 5929	10TM-D10	.001	1000	$\frac{1}{2} \times 1 \frac{1}{2}$	.30
43 B 5930	10TM-D50	.005	1000	$\frac{1}{2} \times 1 \frac{1}{2}$	.35
43 B 5938	10TM-S10	.01	1000	$\frac{1}{2} \times 1 \frac{1}{2}$	.35
43 B 5939	10TM-S50	.05	1000	$\frac{1}{2} \times 1 \frac{1}{2}$	.60
43 B 5947	10TM-P10	1.0	1000	$\frac{1}{2} \times 1 \frac{1}{2}$	.95
43 B 5019	WB-D1	.001	1600	$\frac{1}{2} \times 1 \frac{1}{2}$	.30
43 B 5161	WB-D5	.005	1600	$\frac{1}{2} \times 1 \frac{1}{2}$	.30
43 B 5166	WB-S1	.01	1600	$\frac{1}{2} \times 1 \frac{1}{2}$	.39
43 B 5168	WB-S2	.02	1600	$\frac{1}{2} \times 1 \frac{1}{2}$	.45
43 B 6277	WB-S3	.03	1600	$\frac{1}{2} \times 1 \frac{1}{2}$	.63
43 B 6278	WB-S4	.04	1600	$\frac{1}{2} \times 1 \frac{1}{2}$	.69
43 B 6281	WB-S5	.05	1600	$\frac{1}{2} \times 1 \frac{1}{2}$	.93
43 B 5850	TVM-S56	.0005	6000	$\frac{1}{2} \times 1 \frac{1}{2}$	.81
43 B 5851	TVM-T16	.001	6000	$\frac{1}{2} \times 1 \frac{1}{2}$	.81
43 B 5852	TVM-T56	.005	6000	$\frac{1}{2} \times 1 \frac{1}{2}$	.81
43 B 5853	TVM-S51	.0005	10000	$\frac{1}{2} \times 1 \frac{1}{2}$	.90

TYPE AB MOTOR-STARTING CAPACITORS



Electrolytic capacitors for replacement in 110-volt AC capacitor-start motors. Inter-mittent duty. Hermetically sealed aluminum can with insulating cardboard for protection against moisture, dirt, grease. Lug terminals. Screws removable for solder connections. *Minimum and maximum capacitance values replaceable with these units. Type AB-1109 is for $\frac{1}{2}$ -hp motors; AB-1110, $\frac{1}{6}$ hp; AB-1113 and AB-1116, $\frac{1}{4}$ hp; AB-1125, $\frac{1}{2}$ hp; AB-1131, $\frac{1}{2}$ hp; AB-1146, $\frac{3}{4}$ and 1 hp. Shpg. wt., 10 oz.

SIZE TABLE

From AB-	To AB-	Dia.	Lgth.
1104	1122	$\frac{1}{2}$ "	$\frac{3}{4}$ "
1125	1130	$\frac{1}{2}$ "	$\frac{3}{4}$ "
1131	1149	$\frac{1}{2}$ "	$\frac{3}{4}$

Electrolytic Capacitors and Hardware

SPRAGUE CAPACITORS

36D "POWERLYTIC" ELECTROLYTICS



Digital computer quality, feature low effective series resistance and leakage currents and extremely long life. Withstand MIL conditions including -55° C to +85° C storage. Aluminum can crimped on rubber gasket, recessed in molded cover. 3/4" terminals are tapped for 10-32 screws. Temp. -20° to +85° F. Tol. 1 to 50 WVDC, -10%, +75%; 51 to 450 WVDC, -10%, +50%. Av. shpg. wt. 1 1/2 lbs.

*CAPACITOR SIZE CHART

Code	Dia. x Lgth.	* Dia. x Lgth.
A	1 1/2 x 2 1/2"	2 1/2 x 4 1/2"
B	1 7/8 x 3 1/2"	2 3/4 x 4 1/2"
C	1 7/8 x 4 1/2"	3 1/4 x 4 1/2"
D	2 1/8 x 3 1/2"	

Stock No.	Type	36D	μF	WV DC	* EACH
43 B 5023	60D01010A	6000	10	A	1.95
43 B 5025	123G01010A	12000	10	B	2.23
43 B 5026	462G015A	4600	15	A	1.85
43 B 5156	922G015AB	9200	15	B	2.24
43 B 5154	133G015A	13000	15	C	2.58
43 B 5035	212G015B	21000	15	C	2.58
43 B 5041	272G025A	27000	25	A	3.85
43 B 5042	552G025AB	5500	25	B	2.24
43 B 5050	822G025AC	8200	25	C	2.59
43 B 5051	183G025B	18000	25	F	4.18
43 B 5058	552G040AC	5500	40	D	2.60
43 B 5059	842G040BB	8400	40	D	3.50
43 B 5063	132G050AA	1300	50	A	1.86
43 B 5064	262G050AB	2600	50	B	2.26
43 B 5065	392G050AC	3900	50	C	2.61
43 B 5066	602G050BB	6000	50	C	3.52
43 B 5067	902G050CC	9000	50	F	4.27
43 B 5068	152G050CC	15000	50	F	6.24
43 B 5069	223G050DC	22000	50	F	8.09
43 B 5085	232G075AC	23000	75	D	2.62
43 B 5086	392G075BB	3900	75	D	3.53
43 B 5091	592F0100AA	5900	100	A	1.86
43 B 5097	132F100AC	13000	100	C	2.60
43 B 5099	302F100AC	3000	100	E	4.24
43 B 5100	532F100CC	5300	100	F	6.22
43 B 5102	301F150AA	3000	150	C	1.86
43 B 5103	901F150AC	9000	150	C	2.58
43 B 5104	142F150BB	14000	150	D	3.45
43 B 5105	212F150BC	21000	150	E	4.18
43 B 5107	532F150DA	5300	200	A	8.42
43 B 5109	251F200AA	2500	200	A	1.86
43 B 5110	431F200AB	4300	200	B	2.22
43 B 5111	641F200AC	6400	200	C	2.56
43 B 5112	142F200BC	14000	200	E	4.11
43 B 5116	531F250AC	5300	250	C	2.55
43 B 5130	122F250BC	12000	250	D	4.09
43 B 5131	302F250DC	30000	250	G	8.19
43 B 5133	241F300AB	2400	300	B	2.20
43 B 5134	821F300BC	8200	300	E	4.07
43 B 5136	950F350AA	9500	350	A	1.84
43 B 5137	191F350AB	19000	350	B	2.17
43 B 5138	421F350BB	42000	350	D	3.17
43 B 5144	500F450AA	5000	450	A	1.80
43 B 5150	141F450AC	14000	450	C	2.51
43 B 5151	221F450BC	22000	450	D	3.23
43 B 5152	331F450BC	33000	450	E	3.99

39D "POWERLYTIC" ELECTROLYTICS

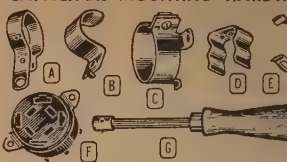
Low series resistance, leakage current. Temp. -20° C to +85° C. Tol. 3 to 50 WVDC, -10%, +75%; 150 to 450 WVDC, -10%, +50%. 2 1/2" leads. Av. shpg. wt. 4 oz.

*CAPACITOR SIZE CHART

* Dia. x Lgth.	* Dia. x Lgth.
A B 1 1/2 x 1 1/2"	F C 1 1/2 x 2 1/4"
B 1 1/2 x 1 1/2"	G H 1 1/2 x 2 1/4"
C 1 1/2 x 1 1/2"	I J 1 1/2 x 2 1/4"
D 1 1/2 x 1 1/2"	K L 1 1/2 x 2 1/4"
E 1 1/2 x 1 1/2"	P Q 1 1/2 x 2 1/4"
F 1 1/2 x 1 1/2"	R S 1 1/2 x 3 1/4"
G 1 1/2 x 1 1/2"	
H 1 1/2 x 1 1/2"	
I 1 1/2 x 1 1/2"	
J 1 1/2 x 1 1/2"	
K 1 1/2 x 1 1/2"	
L 1 1/2 x 1 1/2"	
M 1 1/2 x 1 1/2"	
N 1 1/2 x 1 1/2"	
O 1 1/2 x 1 1/2"	
P 1 1/2 x 1 1/2"	
Q 1 1/2 x 1 1/2"	
R 1 1/2 x 1 1/2"	
S 1 1/2 x 1 1/2"	

Stock No.	Type	39D	μF	WV DC	* EACH
43 B 6484	138G003EL4	1300	3	K	1.67
43 B 6485	218G003H4	2100	3	L	1.74
43 B 6487	578G003H4	5700	3	N	2.01
43 B 6488	109G003HS4	10000	3	N	2.52
43 B 6490	277G006EL4	2700	6	H	1.66
43 B 6491	108G006EL4	1000	6	G	1.68
43 B 6492	208G006G4	2000	6	H	1.99
43 B 6493	408G006G4	4000	6	J	2.01
43 B 6495	109G006IS4	10000	6	R	2.91
43 B 6496	507G010EL4	5000	10	E	1.62
43 B 6497	108G010EL4	1000	10	D	1.77
43 B 6498	168G010FL4	1600	10	E	1.95
43 B 6499	258G010GL4	2500	10	E	1.95
43 B 6504	607G015EL4	6000	15	I	1.67
43 B 6505	128G015FL4	12000	15	E	1.77
43 B 6507	288G015GP4	2800	15	J	2.01
43 B 6509	408G015JL4	4000	15	P	2.43
43 B 6511	207F025EL4	2000	25	B	1.62
43 B 6512	507G025HE4	5000	25	K	1.74
43 B 6513	108G025GL4	1000	25	L	1.95
43 B 6514	228G025HP4	2200	25	M	2.01
43 B 6515	408G025JL4	4000	25	S	2.55
43 B 6516	756G030EL4	7500	30	A	1.59
43 B 6517	137G030EL4	1300	30	B	1.62
43 B 6518	257G030EL4	2500	30	C	1.67
43 B 6519	507G030EL4	5000	30	E	1.77
43 B 6520	118G030GL4	1100	30	D	1.91
43 B 6521	218G030H4	2100	30	N	2.52
43 B 6528	107G050JL4	1000	50	B	1.62
43 B 6529	157G050EL4	1500	50	C	1.67
43 B 6530	278G050HE4	2700	50	K	1.74
43 B 6531	507G050JL4	5000	50	L	1.95
43 B 6532	118G050GL4	1100	50	D	1.91
43 B 6534	218G050H4	2100	50	N	2.52
43 B 6537	238G050TP4	2300	50	M	2.07
43 B 6538	256F150EL4	2500	150	B	1.62
43 B 6539	506F150R4	5000	150	D	1.71
43 B 6540	107F150P4	1000	150	F	1.92
43 B 6541	257F150HP4	2500	150	M	2.07
43 B 6542	206F250EL4	2000	250	C	1.67
43 B 6543	206F250EL4	2000	250	C	1.67
43 B 6544	506F250EL4	5000	250	O	1.89
43 B 6545	107F250HP4	1000	250	L	2.06
43 B 6547	207F250P4	2000	250	Q	1.91
43 B 6549	206F350R4	2000	350	E	1.77
43 B 6550	306F350RP4	3000	350	F	1.92
43 B 6551	406F350GL4	4000	350	I	1.95
43 B 6553	506F350GP4	5000	350	T	2.01
43 B 6557	107F350H4	1000	350	N	2.52
43 B 6556	506F450EL4	5000	450	C	1.67
43 B 6558	106F450FL4	1000	450	E	1.77
43 B 6561	206F450GL4	2000	450	I	1.95
43 B 6563	506F450P4	5000	450	Q	2.58

CAPACITOR MOUNTING HARDWARE



A TUBULAR STRAPS Wt. 1 oz.

Stock No.	Dia.	EA.	Stock No.	Dia.	EA.
43 B 7962	3/8"	.09	43 B 7966	1 1/8"	.1
43 B 7963	1/2"	.09	43 B 7967	1 1/2"	.1
43 B 7964	5/8"	.09	43 B 7968	1 3/4"	.1
43 B 7965	3/4"	.09	43 B 7969	1 3/4"	.1

B "C" CLAMPS Wt. 1 oz.

Stock No.	Size	EA.
43 B 7970	3/8"-3/4"	.12
43 B 7971	3/4"-1"	.12

C MOUNTING RINGS Wt. 1 oz.

Stock No.	Size	EA.
43 B 7972	1-1/4"	.1
43 B 7973	1 1/8"-1 7/8"	.1
43 B 7974	2-1/2"-1 3/4"	.1
43 B 7975	2-1/2"	.1
43 B 7976	3 1/2"	.1
43 B 7977	3 1/2"	.1

D MOUNTING CLIPS Wt. 1 oz.

Stock No.	Size	EA.
43 B 7978	1/4"	.1
43 B 7979	1/2"	.1
43 B 7980	3/8"	.1

E UNIVERSAL CLIPS Wt. 2 oz.

Stock No.	Size	EA.
43 B 7981	3/8"-7/8"	.1
43 B 7982	1/2"-1 1/8"	.1
43 B 7983	3/4"-1 1/8"	.1
43 B 7984	3/4"-1 3/8"	.1
43 B 7985	7/8"-1 3/8"	.1
43 B 7986	1-1/8"	.1
43 B 7987	1 1/8"-1 3/4"	.1

F MOUNTING SOCKETS Wt. 1 oz.

Stock No.	Size	EA.
47 B 0335	1"	.4
47 B 0336	1 1/8"	.7

G 43 B 7990. Mtg. Wrench. For prongs. Shpg. wt. 1 lb.

H MOUNTING PLATES

*Phenolic material. Mount 1" dia. can 1 1/4" dia. hole. Shpg. wt. 1 oz.

Stock No.	Dia.	Stock No.	Dia.
43 B 7945	1"	43 B 7948	1 1/4"
43 B 7946	1 1/8"	43 B 7949	1 1/2"
43 B 7947	1 3/4"	43 B 7950	1 3/4"

EACH

KRAFT INSULATING SLEEVES Wt. 1 oz.

Stock No.	Size	EA.	Stock No.	Size	EA.
43 B 7510	3/8"x2"	1 1/2	43 B 7517	1 1/2"x2"	1 1/2
43 B 7511	1/2"x2"	1 1/2	43 B 7518	1 3/4"x2"	1 1/2
43 B 7512	3/4"x2"	1 1/2	43 B 7519	1 3/4"x2"	1 1/2
43 B 7513	1/2"x2"	1 1/2	43 B 7520	1 3/4"x2"	1 1/2

EACH

MALLORY TYPE MTA TUBULAR ALUMINUM ELECTROLYTICS



Special precision molding process ensures uniformity and higher than average quality. Polypropylene case material for exceptional protection from humidity. All welded construction. Temp. -20° to +85° F. Cap. tol., -10%, +100%. Av. shpg. wt., 2 oz.

CASE SIZES

*Code Letter	Size Dia. x Length
A	5/16 x 3/4"
B	3/8 x 1"
C	1/2 x 1 3/8"

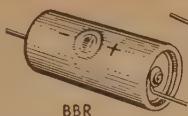
Stock No.	Type MTA-	μF	WV DC	Size*	EACH
43 B 0405	60D3	60	3	A	.36
43 B 0406	175E3	175	3	B	.45
43 B 0407	600F3	600	3	C	.45
43 B 0408	50D6	50	6	A	.36
43 B 0409	125E6	125	6	B	.39
43 B 0410	150E6	150	6	B	.39
43 B 0411	450F6	450	6	C	.51
43 B 0412	500F6	500	6	C	.51
43 B 0413	40D10	40	10	A	.36

Stock No.	Type	MTA	μF	WV DC	Size*	EACH
43 B 0414	75E10	75	10	B	.39	
43 B 0415	100E10	100	10	B	.39	
43 B 0416	200F10	200	10	C	.45	
43 B 0417	400E10	400	10	C	.54	
43 B 0418	30D15	30	15	A	.36	
43 B 0419	35D15	35	15	A	.36	
43 B 0420	50E15	50	15	B	.39	
43 B 0421	80E15	80	15	B	.39	
43 B 0430	90E15	90	15	B	.39	
43 B 0431	100E15	100	15	B	.39	
43 B 0432	250F15	250	15	C	.51	
43 B 0433	300F15	300	15	C	.63	
43 B 0434	350E15	350	15	C	.63	
43 B 0435	25D20	25	20	A	.36	
43 B 0441	60E20	60	20	B	.39	
43 B 0445	70E20	70	20	B	.39	
43 B 0446	25D20	25	20	B	.39	
43 B 0447	50E25	50	25	B	.39	
54 B 0452	175F25	175	25	C	.63	
54 B 0455	200F25	200	25	C	.64	
43 B 0456	20D30	20	30	A	.36	
43 B 0457	40D30	40	30	B	.39	
43 B 0458	9D35	9	35	A	.36	
43 B 0459	10D35	10	35	A	.36	
43 B 0460	15D35	15	35	A	.36	
43 B 0461	25E35	25	35	R	.39	

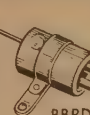
Cornell-Dubilier and Mallory Capacitors

CORNELL-DUBILIER "BLUE BEAVER" TUBULAR ELECTROLYTICS

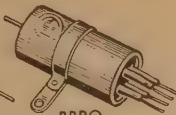
lar electrolytic capacitors specifically designed for service in applications. Especially popular for cramped space installations in TV receivers, hearing aids, miniature radios and other small nties. All are hermetically sealed in aluminum cans for protection against heat and humidity, and have cardboard outer sleeves. All a common negative terminal which is grounded to the can. Rated operation up to +55° C., except 300 volt types which are rated for eratures up to +65° C. Av. shpg. wt., 6 oz.



BBR



BBRD



BBRQ

BR/BBR SINGLE SECTION

Stock No.	Type	μF	WV	Size, in.	E.A.
9203	25-6	25	6	1/2 x 1 1/8	.51
9204	50-6	50	6	1/2 x 1 1/8	.57
9205	100-6	100	6	1/2 x 1 1/8	.63
9206	250-6	250	6	1/2 x 1 1/8	.81
9285	500-6	500	6	1 1/2 x 1 1/8	.93
9286	1000-6	1000	6	3/4 x 1 1/8	1.14
9287	2000-6	2000	6	3/4 x 2	1.38
9207	100-15	100	15	1/2 x 1 1/8	.75
9272	250-15	250	15	1/2 x 1 1/8	.81
9273	500-15	500	15	1/2 x 1 1/8	1.05
9274	1000-15	1000	15	3/4 x 1 1/8	1.38
9284	2000-15	2000	15	3/4 x 2	1.92
9216	10-25	10	25	3/4 x 1 1/8	.60
9217	20-25	20	25	3/4 x 1 1/8	.60
9218	25-25	25	25	3/4 x 1 1/8	.60
9219	50-25	50	25	3/4 x 1 1/8	.66
9208	100-25	100	25	3/4 x 1 1/8	.81
9270	250-25	250	25	3/4 x 1 1/8	1.02
9271	500-25	500	25	3/4 x 1 1/8	1.38
9222	5-50	5	50	3/4 x 1 1/8	.60
9223	10-50	10	50	3/4 x 1 1/8	.60
9224	25-50	25	50	3/4 x 1 1/8	.63
9147	100-50	100	50	3/4 x 1 1/8	.84
9148	150-50	150	50	3/4 x 1 1/8	.93
9149	250-50	250	50	3/4 x 1 1/8	1.05
9269	500-50	500	50	3/4 x 1 1/8	1.44
9214	4-150	4	150	3/4 x 1 1/8	.60
9249	8-150	8	150	3/4 x 1 1/8	.63
9226	10-150	10	150	3/4 x 1 1/8	.63
9227	12-150	12	150	3/4 x 1 1/8	.66
9248	16-150	16	150	3/4 x 1 1/8	.69
9249	20-150	20	150	3/4 x 1 1/8	.72
9245	25-150	25	150	3/4 x 1 1/8	.75
9404	30-150	30	150	3/4 x 1 1/8	.78
9406	40-150	40	150	3/4 x 1 1/8	.81
9407	50-150	50	150	3/4 x 1 1/8	.84
9146	16-150	60	150	3/4 x 1 1/8	.90
9403	30-150	80	150	3/4 x 1 1/8	.96
9405	40-150	100	150	3/4 x 1 1/8	1.06
9407	50-150	150	150	1 1/2 x 1 1/8	1.14
9452	200-150	200	150	1 1/2 x 1 1/8	1.32
9453	300-150	300	150	1 1/2 x 1 1/8	1.77
9227	4-250	4	250	3/4 x 1 1/8	.60

BR/BBR SINGLE SECTION (Cont'd)

Stock No.	Type	μF	WV	Size, in.	E.A.
43 B 9228	8-250	8	250	3/4 x 1 1/8	.69
43 B 9229	12-250	12	250	3/4 x 1 1/8	.75
43 B 9230	16-250	16	250	3/4 x 1 1/8	.78
43 B 9231	20-250	20	250	3/4 x 1 1/8	.81
43 B 9142	30-250	30	250	3/4 x 1 1/8	.87
43 B 9035	40-250	40	250	3/4 x 1 1/8	.93
43 B 9143	50-250	50	250	3/4 x 1 1/8	1.02
43 B 9144	60-250	60	250	3/4 x 1 1/8	1.08
43 B 9034	40-350	4	350	3/4 x 1 1/8	.63
43 B 9021	8-350	8	350	3/4 x 1 1/8	.72
43 B 9022	12-350	12	350	3/4 x 1 1/8	.78
43 B 9023	16-350	16	350	3/4 x 1 1/8	.84
43 B 9018	20-350	20	350	3/4 x 1 1/8	.87
43 B 9019	30-350	30	350	3/4 x 1 1/8	.93
43 B 9020	40-350	40	350	3/4 x 1 1/8	1.08
43 B 9021	60-350	60	350	3/4 x 1 1/8	1.17
43 B 9022	80-350	80	350	3/4 x 1 1/8	1.26
43 B 9023	100-350	100	350	3/4 x 1 1/8	1.53
43 B 9008	1-450	1	450	3/4 x 1 1/8	.66
43 B 9009	2-450	2	450	3/4 x 1 1/8	.66
43 B 9010	4-450	4	450	3/4 x 1 1/8	.69
43 B 9011	8-450	8	450	3/4 x 1 1/8	.75
43 B 9012	10-450	10	450	3/4 x 1 1/8	.78
43 B 9013	12-450	12	450	3/4 x 1 1/8	.81
43 B 9014	16-450	16	450	3/4 x 1 1/8	.84
43 B 9015	20-450	20	450	3/4 x 1 1/8	.93
43 B 9016	30-450	30	450	3/4 x 1 1/8	1.02
43 B 9017	40-450	40	450	3/4 x 1 1/8	1.08
43 B 9004	60-450	60	450	3/4 x 1 1/8	1.41
43 B 9005	80-450	80	450	3/4 x 1 1/8	1.68
43 B 9457	100-450	100	450	1 1/2 x 1 1/8	1.92
43 B 9215	4-500	4	500	3/4 x 1 1/8	.72
43 B 9216	8-500	8	500	3/4 x 1 1/8	.78
43 B 9001	16-500	16	500	3/4 x 1 1/8	.90
43 B 9002	20-500	20	500	3/4 x 1 1/8	.96
43 B 9003	30-500	30	500	3/4 x 1 1/8	1.05
43 B 9459	10-700	10	700	1 1/2 x 3/4	1.53
43 B 9451	16-700	16	700	1 1/2 x 3/4	2.10

BBRD DUAL SECTION

Stock No.	Type	μF	WV	Size, in.	E.A.
43 B 9220	2202	20-20	25	3/4 x 1 1/8	.84
43 B 9250	115	10-10	20	3/4 x 1 1/8	.84
43 B 9252	2215	20-20	150	3/4 x 1 1/8	.99

BBRD DUAL SECTION (Cont'd)

Stock No.	Type	μF	WV	Size, in.	E.A.
43 B 9254	3315	30-30	150	3/4 x 1 1/8	1.08
43 B 9257	4415	40-40	150	3/4 x 1 1/8	1.11
43 B 9258	5315	50-50	150	3/4 x 1 1/8	1.22
43 B 9259	5515	50-50	150	3/4 x 1 1/8	1.26
43 B 9260	8415	80-80	150	1 1/2 x 1 1/8	1.35
43 B 8609	0183.7	100-50	150	1 x 3	1.80
43 B 9288	101015	100-50	150	1 x 3	1.92
43 B 9289	8125	8-8	250	3/4 x 1 1/8	.96
43 B 9292	2225	20-20	250	1 1/2 x 1 1/8	1.11
43 B 9296	3325	30-30	250	1 1/2 x 1 1/8	1.35
43 B 8614	0286	150-100	300	3/4 x 3/4	3.15
43 B 9265	8145	8-8	450	3/4 x 1 1/8	1.02
43 B 9267	10145	16-16	450	1 x 2 1/2	1.35
43 B 9268	2245	20-20	450	1 x 3	1.50
43 B 9291	3345	30-30	450	1 1/2 x 3/4	1.80
43 B 9221	4445	40-40	450	1 1/2 x 1 1/8	2.04

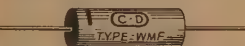
BRT TRIPLE SECTION

Stock No.	Type	μF	WV	Size, in.	EACH
43 B 9230	22215	20-20-20	150	3/4 x 1 1/8	1.32
43 B 9231	32015	30-30-30	150	3/4 x 1 1/8	1.35
43 B 9232	33315	30-30-30	150	3/4 x 1 1/8	1.41
43 B 9233	42215	40-20-20	150	1 1/2 x 1 1/8	1.35
43 B 9234	43215	40-30-20	150	1 x 2	1.41
43 B 9235	44215	40-40-20	150	1 x 2	1.41
43 B 9236	44415	40-40-40	150	1 1/2 x 1 1/8	1.47
43 B 9237	52215	50-30-30-20	150	1 x 3	1.74
43 B 8620	01285	150-150-150	150	3/4 x 2	2.85
43 B 9238	3315	30-30-20	150	2 1/2 x 1 1/8	1.32
43 B 9239	4215	40-40-20	150	2 1/2 x 1 1/8	1.29
43 B 9243	5315	50-30-20	150	2 1/2 x 1 1/8	1.41
43 B 9245	8415	80-40-20	150	2 1/2 x 1 1/8	1.59
43 B 8621	0185	140-40-40	300	1 1/2 x 3/4	2.76
43 B 9282	16745	16-16-16	450	3/4 x 3	1.86

BBRQ QUADRUPLE SECTION

Stock No.	Type	μF	WV	Size, in.	E.A.
43 B 9298	84215	80-40-20	150	2 1/2 x 1 1/8	1.65
43 B 9299	94315	90-30-30-20	150	2 1/2 x 1 1/8	1.80
43 B 9294	55515	50-50-50-20	150	2 1/2 x 1 1/8	2.07
43 B 8628	07894	140-5200-300	500	1 1/2 x 4 1/8	3.09
43 B 8635	0174	40-40-20	2450	1 1/2 x 4 1/8	3.27

CORNELL-DUBILIER TYPE WMF TUBULAR "MYLAR" CAPACITORS



n-encased ultra-capacitor tubular capacitors using "Mylar" film dielectric. Exceptional length, durability and stability. Offer high alation resistance, low power factor, and ration at temperatures from -55°C to 25°C. End-sealed with high-density thermoplastic. Non-inductive, extended foil struction with tinned wire leads soldered et to foil for low-resistance and low RF edance. Power factor, less than 1% at C. Tolerance, ±10%. Av. shpg. wt., 2 oz.

100 WVDC

Stock No.	Type WMF	μF	Size	E.A.
6 B 9775	1D1	.001	3/4 x 1/2	.21
6 B 9777	1D22	.0022	3/4 x 1/2	.21
6 B 9779	1D47	.0047	3/4 x 1/2	.21
6 B 9881	1S1	.01	3/4 x 1/2	.21
6 B 9883	1S22	.022	3/4 x 1/2	.24
6 B 9884	1S33	.033	3/4 x 1/2	.24
6 B 9885	1S47	.047	1 1/4 x 1/2	.27
6 B 9886	1S68	.068	3/4 x 3/4	.27
6 B 9887	1P1	.1	3/4 x 1/2	.36
6 B 9888	1P15	.15	3/4 x 1/2	.36
6 B 9889	1P22	.22	2 1/4 x 1	.39
6 B 9890	1P33	.33	2 1/4 x 1 1/8	.45
6 B 9991	1P47	.47	1 1/2 x 1 1/4	.47
6 B 9992	1P68	.68	3/4 x 1 1/2	.57
6 B 9993	1W1	.01	3/4 x 1 1/2	.57
6 B 9995	1W1P5	1.5	2 1/4 x 1 1/2	1.23
6 B 9996	1W2	2.0	3/4 x 1 1/2	1.50

200 WVDC

Stock No.	Type WMF	μF	Size	E.A.
6 B 877	2D1	.001	3/4 x 1/2	.21
6 B 879	2D22	.0022	3/4 x 1/2	.21
6 B 881	2D47	.0047	3/4 x 1/2	.21
6 B 883	2D68	.0068	3/4 x 1/2	.21
6 B 885	2P1	.01	3/4 x 1/2	.21
6 B 884	2S15	.015	3/4 x 1/2	.21

200 WVDC (Cont'd)

Stock No.	Type WMF	μF	Size	E.A.
43 B 6885	2S22	.022	3/4 x 3/4	.24
43 B 6886	2S33	.033	1 1/4 x 3/4	.24
43 B 6887	2S47	.047	1 1/4 x 3/4	.27
43 B 6888	2S68	.068	1 1/4 x 3/4	.27
43 B 6889	2P1	.1	1 1/2 x 3/4	.36
43 B 6890	2P15	.15	2 1/2 x 3/4	.36
43 B 6891	2P22	.22	2 1/4 x 1 1/8	.39
43 B 6892	2P33	.33	3 1/4 x 1 1/8	.45
43 B 6893	2P47	.47	3 1/4 x 1 1/8	.51
43 B 6894	2P68	.68	2 1/4 x 1 1/2	.57
43 B 6895	2W1	1.0	3 1/4 x 1 1/2	.87
43 B 6898	2W2	2.0	3 1/4 x 1 1/2	1.50

400 WVDC

43 B 4329	4D47	.0047	1 3/4x3/4"	.27
43 B 4332	4S1	.01	1 3/4x3/4"	.27
43 B 4334	4S22	.022	3/4x3/4"	.27
43 B 6835	4S33	.033	1 1/4x3/4"	.27
43 B 6836	4S47	.047	1 3/4x3/4"	.30
43 B 6837	4S68	.068	2x1 1/4"	.33
43 B 6838	4P1	.1	3 1/4x1 1/4"	.36
43 B 6839	4P15	.15		.42
43 B 6840	4P22	.22	3 1/4x1 3/4"	.46
43 B 6841	4P33	.33	1 1/4x1 1/4"	.66
43 B 6842	4P47	.47	4 5/8x1 3/4"	.78
43 B 6844	4W1	1.0	7 1/2x2"	1.20
43 B 6847	4W2	2.0	1 1/4x2 1/4"	2.04

Capacitors, Trimmers and Padders

CORNELL-DUBILIER "CD" DIPPED SILVER MICA CAPACITORS



- Constructed to Withstand Temperature and Moisture Extremes
- Made of Rugged Phenolic and Epoxy for High Insulation
- Leads Have Resinous Coating for Easy Solderability

These high-quality capacitors feature an exclusive CDE dipping process to impart high moisture and humidity resistance. All have high dielectric strength. Excellent for use in equipment that is exposed to environmental extremes. Temperature: -55 to +125°C without derating. Tolerance: $\pm 5\%$ or $\pm 5 \mu\text{F}$, whichever is greater. Rated 500 WVDC. Have $1\frac{1}{4}$ inch tinned brass

- Most Popular Sizes for a Wide Variety of Applications
- Sizes Meet Standard Electronics Industry Association Specs
- Precision Capacitors Withstand 10-2000 Cycle Vibration Tests

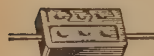
wire leads with resinous coating for easy solder ability. All units meet 10-2000 cycle vibration tests. CD15 type have .0235" (22 AWG) lead. CD19 type have .032" (20 AWG) lead. Dimensions: CD15, .450x.360x.170" to .470x.400x.220"; CD19, .540x.510x.200" to .700x.580x.350". Dimensions conform to applicable EIA specifications. Av. shipg. wt, 2 oz.

Stock No.	Mfr's Type	Cap. μF	EACH
43 B 4652	CD15CD100K03	10	.15
43 B 4653	CD15CD120K03	12	.15
43 B 4654	CD15CD150K03	15	.15
43 B 4655	CD15ED220J03	22	.18
43 B 4656	CD15ED240J03	24	.18
43 B 4657	CD15ED270J03	27	.18
43 B 4658	CD15ED300J03	30	.18
43 B 4659	CD15ED330J03	33	.18
43 B 4660	CD15ED360J03	36	.18
43 B 4661	CD15ED390J03	39	.18
43 B 4662	CD15ED470J03	47	.18
43 B 4663	CD15ED510J03	51	.18
43 B 4664	CD15ED560J03	56	.18
43 B 4665	CD15ED620J03	62	.18
43 B 4666	CD15ED680J03	68	.18
43 B 4667	CD15ED750J03	75	.18
43 B 4668	CD15ED820J03	82	.18
43 B 4669	CD15FD101J03	100	.18
43 B 4670	CD15FD121J03	120	.21
43 B 4671	CD15FD151J03	150	.21
43 B 4672	CD15FD181J03	180	.27
43 B 4673	CD15FD201J03	200	.27
43 B 4674	CD15FD221J03	220	.27

Stock No.	Mfr's Type	Cap. μF	EACH
43 B 4675	CD15FD241J03	240	.27
43 B 4676	CD15FD271J03	270	.30
43 B 4677	CD15FD301J03	300	.30
43 B 4678	CD15FD331J03	330	.33
43 B 4608	CD15FD361J03	360	.33
43 B 4679	CD15FD391J03	390	.36
43 B 4680	CD15FD431J03	430	.30
43 B 4681	CD15FD471J03	470	.33
43 B 4682	CD15FD511J03	510	.33
43 B 4683	CD15FD561J03	560	.36
43 B 4684	CD15FD621J03	620	.36
43 B 4685	CD15FD681J03	680	.36
43 B 4610	CD15FD751J03	750	.39
43 B 4686	CD15FD821J03	820	.42
43 B 4609	CD15FD911J03	910	.42
43 B 4687	CD15FD102J03	1000	.45
43 B 4611	CD15FD112J03	1100	.45
43 B 4688	CD15FD122J03	1200	.48
43 B 4690	CD15FD152J03	1500	.54
43 B 4692	CD15FD182J03	1800	.66
43 B 4691	CD15FD202J03	2000	.72
43 B 4692	CD15FD222J03	2200	.78
43 B 4693	CD15FD242J03	2400	.84

CORNELL-DUBILIER NEW "CM MOLDED

SILVERED MICAS"



Miniature silvered-mica capacitors featuring high dielectric strength and excellent reliability.

Low-loss phenolic cases. All are 500 WVDC except *100 WVDC. Tolerance: $\pm 5\%$. Temperature range, -55°C to +85°C. Type CM-15, $\frac{3}{16} \times \frac{1}{8} \times \frac{1}{16}$ " Type CM-20, $\frac{1}{4} \times \frac{1}{8} \times \frac{1}{16}$ " Type CM-30, $\frac{3}{16} \times \frac{1}{4} \times \frac{1}{16}$ " Type CM-40, $\frac{1}{2} \times \frac{1}{8} \times \frac{1}{16}$ " Letter "F" in Mfr's type indicates ± 200 parts per million per degree Celsius drift. Letter "F" in Mfr's type indicates 0 to +70 parts $\pm (0.1\% + 0.1 \mu\text{F})$ drift. Av. shipg. wt., 2 oz.

Stock No.	Type CM	Cap. μF	EACH
43 B 4982	15BD100KN3	10	.18
43 B 4983	15BD150KN3	15	.18
43 B 4984	15CD200JN3	20	.18
43 B 4157	15CD220JN3	22	.18
43 B 4161	15CD240JN3	24	.18
43 B 4169	15CD270JN3	27	.18
43 B 4985	15CD330JN3	33	.18
43 B 4170	15CD360JN3	36	.18
43 B 4178	15CD430JN3	43	.18
43 B 4986	15CD470JN3	47	.18
43 B 4179	15CD510JN3	51	.18
43 B 4180	15CD560JN3	56	.18
43 B 4181	15CD620JN3	62	.18
43 B 4987	15CD680JN3	68	.18
43 B 4182	15CD750JN3	75	.18
43 B 4988	15CD820JN3	82	.18
43 B 4989	15FD101JN3	100	.18
43 B 4183	15FD111JN3	110	.21
43 B 4990	15FD121JN3	120	.21
43 B 4991	15FD151JN3	150	.21
43 B 4184	15FD181JN3	180	.24
43 B 4992	15FD201JN3	200	.24
43 B 4993	15FD221JN3	220	.27
43 B 4994	15FD241JN3	240	.30
43 B 4995	15FD271JN3	270	.30
43 B 4996	15FD301JN3	300	.30
43 B 4997	15FD331JN3	330	.33
43 B 4190	15FD361JN3	360	.36
43 B 4998	15FD391JN3	390	.36
43 B 4999	15FD471JN3	470	.45
43 B 4921	15FD511JN3	510	.48
43 B 4191	20FD621JN3	620	.36
43 B 4922	20FD681JN3	680	.36
43 B 4923	20FD751JN3	750	.42
43 B 4980	20FD102JN3	1000	.45
43 B 4192	30FD121JN3	1200	.45
43 B 4946	30FD152JN3	1500	.51
43 B 4193	30FD182JN3	1800	.54
43 B 4947	30FD202JN3	2000	.54
43 B 4194	30FD222JN3	2200	.66
43 B 4948	30FD242JN3	2400	.72
43 B 4195	30FD272JN3	2700	.78
43 B 4196	30FD332JN3	3300	.90
43 B 4928	35FD362JN3	3600	.96
43 B 4198	35FD392JN3	3900	1.02
43 B 4929	35FD472JN3	4700	1.14
43 B 4930	35FD512JN3	5100	1.20
43 B 4931	35FD562JN3	5600	1.26
43 B 4932	35FD682JN3*	6800	1.42
43 B 4922	35FC103JN3	10,000*	1.83

NYTRONICS CERAMIC "DECI-CAPS" CAPACITORS



"DECI-CAPS." New ultra-miniature ceramic capacitors. All in .250x.100" dia. rugged epoxy molded envelope ($\frac{1}{4}$ -watt resistor size). Standardized size permits high-density cordwood packaging on printed circuit boards. Feature high stability—less than $1\frac{1}{4}\%$ capacitance change over -55°C to +125°C. Operating range: $\pm 10\%$. All listings below are rated at 200 WVDC, except *100 WVDC. Av. shipg. wt. 1 oz.

Stock No.	Mfr's Type	Cap. μF	EACH	Stock No.	Mfr's Type	Cap. μF	EACH
43 B 8026	DC-056K	5.6	.51	43 B 8040	DC-820K	82	.51
43 B 8027	DC-068K	6.8	.51	43 B 8041	DC-101K	100	.51
43 B 8028	DC-82K	8.2	.51	43 B 8042	DC-121K	120	.51
43 B 8029	DC-100K	10	.51	43 B 8043	DC-151K	150	.51
43 B 8030	DC-120K	12	.51	43 B 8044	DC-181K	180	.51
43 B 8031	DC-150K	15	.51	43 B 8045	DC-221K	220	.51
43 B 8032	DC-180K	18	.51	43 B 8046	DC-271K	270	.51
43 B 8033	DC-220K	22	.51	43 B 8047	DC-331K	330	.51
43 B 8034	DC-270K	27	.51	43 B 8048	DC-391K	390	.51
43 B 8035	DC-330K	33	.51	43 B 8049	DC-471K	470	.53
43 B 8036	DC-390K	39	.51	43 B 8050	DC-561K	560	.53
43 B 8037	DC-470K	47	.51	43 B 8051	DC-681K	680	.53
43 B 8038	DC-560K	56	.51	43 B 8052	DC-821K	820	.53
43 B 8039	DC-680K	68	.51	43 B 8053	DC-102K	1000	.118

ELMENCO TRIMMERS AND PADDERS

STANDARD TRIMMERS, $\frac{1}{4} \times \frac{1}{4} \times \frac{1}{4}$ "



Capacitors for a Variety of Applications

Stock No.	Min. μF	Max. μF	EACH
43 B 3518	1.5	15	.20
43 B 3519	2.7	30	.20
43 B 3520	2.2	5.0	.20
43 B 3513	9.0	180	.24
43 B 3514	25	280	.27
43 B 3515	50	380	.29
43 B 3516	80	480	.32
43 B 3517	110	580	.36
43 B 3519	140	680	.39
43 B 3520	170	780	.42

MIDGET TRIMMERS, $\frac{1}{8} \times \frac{1}{8} \times \frac{1}{8}$ "

Stock No.	Min. μF	Max. μF	EACH
43 B 7077	1	12	.20
43 B 7078	2	25	.20
43 B 7079	4	40	.23
43 B 7080	7	100	.24
43 B 7081	16	150	.27
43 B 7082	24	200	.29
43 B 7083	37	250	.32
43 B 7084	55	300	.39
43 B 7085	70	350	.39
43 B 7086	90	400	.42

MINIATURE TRIMMERS, $\frac{1}{16} \times \frac{1}{16} \times \frac{1}{16}$ "

Stock No.	Min. μF	Max. μF	EACH
43 B 7087	0.9	7	.20
43 B 7088	1.5	20	.23
43 B 7089	4	40	.24
43 B 7090	8	60	.27

PADDERS, $\frac{1}{2} \times \frac{1}{2} \times \frac{1}{2}$ "

Stock No.	Min. μF	Max. μF	EACH
43 B 7093	15	130	.43
43 B 7094	65	340	.49
43 B 7095	115	550	.49
43 B 7096	190	760	.54
43 B 7097	275	970	.60
43 B 7098	350	1180	.65
43 B 7099	450	1390	.68
43 B 7100	550	1600	.74
43 B 7101	650	1890	.79
43 B 7102	780	2110	.84
43 B 7103	880	2330	.89
43 B 7104	1150	2605	.95
43 B 7106	1400	3055	1.06

Ceramic and Tantalum Capacitors

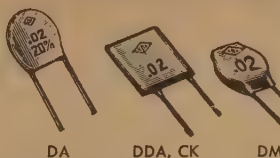
CENTRALAB CERAMIC CAPACITORS AND ASSORTMENTS

FEED-THRU HI-KAPS

LOW-VOLTAGE CAPACITORS

TYPE CE DISC CERAMICS

ly ceramics for high-capacity mounting. Specifically igned for, widely used high frequency circuits. ed 500 WVDC. Type has 12-28 mounting nut 1.58" dia. tinne cop- leads with hooked ends. T has 1/4" dia. hole and ders to chassis (has No. leads). Tolerance: * = 20%; + - 20 to + 50%; 10%; ± 50 MV (guaranteed minimum value). . shpg. wt. 2 oz.



Designed for applications requiring minimum capacity change, temperature varies from -55°C to +85°C. Phenolic vacuum insulation-impregnated with high melting point wax. All 500 WVDC. Power factor: 2% maximum at 1 kHz. Leakage resistance: initial, 10,000 megohms minimum; after humidity, over 100 megohms. All 1/2" thick, 1 1/4" diameter, except 1 3/4" diameter. No. 22 tinne copper leads. Av. shpg. wt., 1 oz.



TYPE MFT MINIATURES

Stock No.	Type	μF	EACH
3 B 1488	MFT-50	* 50	.24
3 B 1489	MFT-100	* 100	.24
3 B 1490	MFT-500	* 500	.24
3 B 1491	MFT-1000	* 1000	.24

TYPE FT

Stock No.	Type	μF	EACH
3 B 1390	FT-500	* 500	.60
3 B 1391	FT-1000	* 1000	.60
3 B 1392	FT-1500	* 1500	.60
3 B 1394	FT-2300	* 2300	.60

DK-200 CERAMIC CAPACITOR KIT

ramic disc capacitors primarily for -pass, filter or 0 Type DD disc amics. All 1000 VDC, except 00 V. Each value ckaged in its own ar plastic box. ith cabinet, 4x6x 1/2" (W x H x D). B 9912, \$3 Monthly



Extremely compact, high capacity, low-voltage ceramic capacitors. Have durable "Durez" resin insulation. Designed especially for transistor circuits and other subminiature applications. Resist effects of heat, moisture and vibration. Av. shpg. wt. 2 oz.

Type DA: 1/2"x3/4" thick. Tolerance -20% to +100%. Rated at 30 WVDC.
Type DDA: All measure 3/8" diameter x 3/8" thick. Tolerance -30% to +80%. Rated at 75 WVDC.
Type DM: 1/2"x3/4"x3/4" thick. Tolerance * -20% to +50% and + -20% to +80%. Rated at 150 WVDC.
Type CK: diameter as indicated; 3/8" thick. Tolerance -20 to +80%. Rated at 50 WVDC.

TYPE DA

Stock No.	Type	μF	EACH
43 B 1627	203	.02	.29
43 B 1628	503	.05	.64
43 B 1629	104	1	1.07

TYPE DDA

Stock No.	Type	μF	EACH
43 B 1630	503	.05	.24
43 B 1631	104	1	.48

TYPE DM

Stock No.	Type	μF	EACH
43 B 1636	102*	.001	.72
43 B 1637	202*	.002	.72
43 B 1638	302*	.003	.72
43 B 1639	502*	.005	.72
43 B 1640	103*	.01	.72

TYPE CK

Stock No.	Type	μF	Dia.	EACH
43 B 1642	502	.005	3/8"	.17
43 B 1643	104	.01	1/2"	.17
43 B 1644	203	.02	3/8"	.17
43 B 1645	253	.025	3/8"	.17
43 B 1646	303	.03	3/8"	.17
43 B 1647	503	.05	3/8"	.17
43 B 1648	104	1	1/2"	.48

UK "ULTRA-KAP" MINIATURE DISC CAPACITORS

Type UK and UK10 micro-miniature and miniature ceramic disc capacitors engineered especially for by-pass and coupling in transistor circuits. Extremely low dissipation factor. Double Durez insulation with high temperature wax impregnation. UK10 series primarily for portable radios. Ultra-Kaps, 22 tinne copper leads. UK types, 3 WVDC; UK10 types, 10 WVDC. Tolerance -20 to +80%; guaranteed minimum value. Av. wt., 1 oz.



Stock No.	Mfr's Type	μF	Dia.	EACH
43 B 1701	UK-104	1	3/8"	.33
43 B 1293	UK 224	.22	1/4"	.24
43 B 1294	UK-474	.47	3/8"	.24
43 B 1295	UK-105	1.0	1/2"	.29
43 B 1296	UK 225	.22	3/8"	.34
43 B 1297	UK10 503	.05	1/4"	.14
43 B 1703	UK10-104	1	3/8"	.14
43 B 1704	UK10-204	2	3/8"	.24
43 B 1705	UK10 474	.47	3/8"	.33
43 B 1274	UK20 501	.05	1/4"	.16
43 B 1275	UK20 104	1	1/4"	.14
43 B 1290	UK20 474	.47	1/2"	.31

KEMET C-SERIES SOLID TANTALUMS

small size with high capacity and reliability. resin-molded epoxy tantalum electrolytic capacitor that is ideal for tight wiring in compact assemblies. Bullet shaped for easy identification of polarity. Molded case provides high moisture resistance. C-Series will give peak performance under conditions of severe shock and vibration. Low DC leakage and high capacity stability at temperatures from -55°C to +85°C. Tolerance, ±10%. Prices and size in table below. Price depends on case size. Av. shpg. wt., 2 oz.



PRICE AND SIZE LOCATOR

*Case Size	Diameter x Length	EACH	*Case Size	Diameter x Length	EACH
B	.138x.390"	.63	C	.190x.562"	.71
B	.138x.390"	.63	D	.190x.562"	.71

Stock No.	Mfr's Type	μF	WV DC	Stock No.	Mfr's Type	μF	WV DC
3B7145	KR1C35K	.10	35 A	43 B7326	K2R7C50K	2.7	50 D
3B7146	KR1C50K	.10	50 B	43 B7338	K3R3C15K	3.3	15 A
3B7161	KR1C35K	.15	35 A	43 B7339	K3R3C35K	3.3	35 C
3B7162	KR1C50K	.15	50 B	43 B7364	K4R7C50K	4.7	50 D
3B7177	KR2C25K	.22	35 A	43 B7351	K3R9C10K	3.9	10 A
3B7178	KR2C50K	.22	50 B	43 B7353	K3R9C35K	3.9	50 D
3B7194	KR3C35K	.33	35 A	43 B7364	K4R7C10K	4.7	10 A
3B7195	KR3C50K	.33	50 B	43 B7365	K4R7C35K	4.7	35 C
3B7214	KR4C35K	.47	35 A	43 B7366	K4R7C50K	4.7	50 D
3B7215	KR4C50K	.47	50 B	43 B7377	K5R6C6K	5.6	6 A
3B7232	KR6R35K	.68	35 A	43 B7378	K6R6C6K	5.6	35 C
3B7233	KR6R50K	.68	50 B	43 B7391	K6R8C6K	6.8	6 A
3B7260	K1C35K	1.0	35 A	43 B7392	K6R8C35K	6.8	35 C
3B7261	K1C50K	1.0	50 B	43 B7405	K8R2C20K	8.2	20 D
3B7272	K1R2C20K	1.2	20 A	43 B7660	K10C20K	10	20 C
3B7274	K1R2C50K	1.2	50 D	43 B7674	K12C20K	12	20 C
3B7285	K1R2C15K	1.5	20 A	43 B7688	K15C20K	15	20 C
3B7286	K1R5C35K	1.5	35 A	43 B7701	K18C15K	18	15 C
3B7291	K1R5C50K	1.5	50 D	43 B7715	K22C15K	22	15 C
3B7298	K1R8C20K	1.8	20 A	43 B7726	K27C10K	27	10 C
3B7300	K1R8C50K	1.8	50 D	43 B7737	K32C10K	33	10 C
3B7311	K2R2C20K	2.2	20 A	43 B7748	K39C10K	39	10 C
3B7312	K2R2C50K	2.2	50 D	43 B7749	K47C10K	47	10 C
3B7313	K2R2C20K	2.2	20 A	43 B7770	K50C10K	50	6 C
3B7324	K2R7C15K	2.7	15 A				

KEMET MINIATURE BY-PASS TANTALUMS

- Ultra-Miniature Molded Solid-Tantalum Electrolytic
- Capacitance/Voltage Range .082 to 22 μF, 6 to 50 WVDC
- Small Size Makes Them Ideal for High-Density circuits

Series "W" miniature tantalum capacitors that are ideal for by-pass, coupling, and filtering applications. Provide ultra-low DC leakage, with high resistance to heat. Offer a capacitance/voltage range of .082 to 22 microfarads, 6 to 50 working volts DC. Small in size, only .345x.228x.105", makes them ideal for high-density circuits. Rectangular shape for stacking in computers, electronic organs, portable TV, video recorders, plus other electronic instruments where space is at a premium. Tolerance ±20%. Av. shpg. wt., 1 oz.

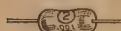


ACTUAL SIZE

Stock No.	Mfr's Type	μF	WV DC	EACH	Stock No.	Mfr's Type	μF	WV DC	EACH
43 B 8631	KR2W50	.22	50	.90	43 B 8613	K2R2W35	2.2	35	1.06
43 B 8632	KR2W50	.27	50	.90	43 B 8616	K2R7W35	2.7	35	1.06
43 B 8633	KR3W50	.33	50	.90	43 B 8616	K3R2W35	3.3	25	1.06
43 B 8637	KR4W50	.47	50	.90	43 B 8619	K4R7W25	4.7	25	1.06
43 B 8638	KR5W50	.56	50	1.06	43 B 8622	K5R6W20	5.6	20	1.06
43 B 8639	KR6W50	.68	50	1.06	43 B 8623	K6R2W20	6.8	20	1.06
43 B 8643	K1W50	1.0	50	1.06	43 B 8630	K8R2W15	8.2	15	1.06
43 B 8644	K1R5W50	1.2	50	1.06	43 B 8731	K10W10	10	10	.90
43 B 8646	K1R5W50	1.5	50	1.06	43 B 8732	K12W10	12	10	.90
43 B 8647	KR0R2W35	.082	35	.90	43 B 8733	K15W10	15	10	.90
43 B 8648	KR1W35	10	35	.90	43 B 8734	K18W6	18	6	.90
43 B 8649	KR12W35	.12	35	.90	43 B 8735	K22W6	22	6	.90
43 B 8712	KR15W35	15	35	.90	43 B 8736	K1R5W6	18	6	.90
43 B 8401	KR15W35	18	35	.90	43 B 8747	K1R5W6	2.2	6	.90
43 B 8402	KR2W35	.22	35	.90	43 B 8747	K2R7W6	2.7	6	.90
43 B 8403	KR2W35	.27	35	.90	43 B 8750	K3R3W6	3.3	6	.90
43 B 8404	KR3W35	.33	35	.90	43 B 8751	K3R9W6	3.9	6	.90
43 B 8405	KR3W35	.39	35	.90	43 B 8753	K4R7W6	4.7	6	.90
43 B 8427	KR3W35	.47	35	.90	43 B 8755	K5R6W6	5.6	6	.90
43 B 8426	KR5W35	.56	35	.90	43 B 8756	K6R2W6	6.8	6	.90
43 B 8427	KR6W35	.68	35	.90	43 B 8758	K8R2W6	8.2	6	.90
43 B 8435	KR8W35	.82	35	.90	43 B 8759	K10W6	10	6	.90
43 B 8436	K1W35	10	35	.90	43 B 8760	K12W6	12	6	.90
43 B 8437	KR12W35	1.2	35	1.06	43 B 8761	K15W6	15	6	.90
43 B 8438	KR15W35	1.5	35	1.06					
43 B 8612	K1R8W35	1.8	35	1.06					

Sprague Capacitors and Centralab Trimmers

"PACER" MINIATURE CAPACITORS



Three times smaller than conventional paper-film tubular. Non-inductive. Metal caps over foil sections. 200 WVDC. -55°C to +85°C. Derate 50% at 105°C. Tolerance, ±10%. Shpg. wt., 2 oz.

Stock No.	Mfr's Type	μF	Size	EACH
43 B 0334	102P47102	.00047	3/8x5/8	.33
43 B 0360	102P56192	.00056	3/8x5/8	.30
43 B 0361	102P56192	.00068	3/8x5/8	.30
43 B 0362	102P82192	.00082	3/8x5/8	.30
43 B 0335	102P10292	.001	3/8x5/8	.27
43 B 0336	102P12292	.0012	3/8x5/8	.27
43 B 0337	102P15292	.0015	3/8x5/8	.27
43 B 0338	102P18292	.0018	3/8x5/8	.27
43 B 0339	102P22292	.0022	3/8x5/8	.27
43 B 0341	102P33292	.0033	3/8x5/8	.27
43 B 0342	102P39292	.0039	3/8x5/8	.27
43 B 0343	102P47292	.0047	3/8x5/8	.27
43 B 0344	102P56292	.0056	3/8x5/8	.27
43 B 0345	102P68292	.0068	3/8x5/8	.27
43 B 0346	102P82292	.0082	3/8x5/8	.30
43 B 0347	102P103292	.01	3/8x5/8	.30
43 B 0348	102P123292	.012	3/8x5/8	.30
43 B 0349	102P153292	.015	3/8x5/8	.30
43 B 0350	102P183292	.018	3/8x5/8	.30
43 B 0352	102P223292	.022	3/8x5/8	.30
43 B 0353	102P333292	.033	3/8x5/8	.33
43 B 0354	102P393292	.039	3/8x5/8	.36
43 B 0355	102P473292	.047	3/8x5/8	.39
43 B 0356	102P563292	.056	3/8x5/8	.39
43 B 0357	102P683292	.068	3/8x5/8	.42
43 B 0358	102P823292	.082	3/8x5/8	.45
43 B 0359	102P104292	.1	3/8x5/8	.45
43 B 0366	102P124292	.12	3/8x5/8	.48
43 B 0367	102P154292	.15	3/8x5/8	.48
43 B 0368	102P224292	.22	3/8x1 1/8	.51



DOORKNOB CAPACITORS

High-voltage, 500-μF plastic capacitors for replacement use in all types of TV sets. Molded-in nonflammable, moisture-resistant, thermosetting plastic. Molded guard rings increase surface leakage path. Capacitor body has female threads for variety of interchangeable screw-in terminals. 20DK-TS comes complete with 14 terminals, as illustrated (packaged 2 per plastic box, with 14 terminals). 30DK-TS is supplied with 2 terminals indicated by asterisk (*). Shpg. wt., 3 oz.

Stock No.	Mfr's Type	kV Rating	Diam. Length	PRICE
43 B 5599	20DK-TS	20	1 1/2 x 1 1/4	3.30pr.
43 B 5597	30DK-TS	30	1 3/4 x 1 1/4	7.40ea.

SERIES BL TINY BUFFER CAPACITORS

(Not illus.) Disc ceramics for buffer applications. Moisture-proof coating. Rated at 2000 WVDC. Standard tolerance, ±20%. Shpg. wt., 1 oz.

Stock No.	Mfr's Type	μF	EACH
43 B 6290	BL-D10	.001	.21
43 B 6294	BL-D50	.005	.21
43 B 6299	BL-D10	.010	.27

"HYPASS" CAPACITORS

Three-terminal network feed-through capacitors bypass VHF currents where ordinary capacitors fail. Suppress TVI from short-wave transmitters, diathermy machines, electronic heating apparatus. Eliminate interference between neighboring TV sets. Install leads in series. Type 4P18 for voltage regulator. *Screw terminals. †AC volts. ‡Bulkhead mtg. Shpg. wt., 5 oz.

Stock No.	Type	μF	Amps WVDC	Size	EACH
43 B 5688	4P18*	.5	40	50 1/2 x 1 1/2	2.76
43 B 5970	4P18*	.1	20	250 1/2 x 1 1/2	1.80
43 B 5971	4P18*	.1	20	250 1/2 x 1 1/2	1.80
43 B 5689	80P3*	.1	20	600 1/2 x 1 1/2	1.95
43 B 5992	4P18	.005	20	2500 1/2 x 1 1/2	2.73
43 B 5993	4P18	.01	20	2500 1/2 x 1 1/2	2.76
43 B 5697	4P18	.002	20	5000 1/2 x 1 1/2	2.73

CAPACITANCE DECODER



Type C-751. Decodes μF, tolerance and WVDC from color codes. Shpg. wt., 2 oz. 43 B 9910.



"CERA-MITE" DISC CERAMIC CAPACITORS

Ultracompact ceramic disc capacitors in EIA (RETMA) and other popular values. High by-pass efficiency in critical circuits. Moistureproof coating. Tolerances: 100 WVDC types, ±20%; 500 WVDC, ±20%. All capacitors are "tagged" for easy identification. Sizes range from 1/4" to 7/8". Mfr's Type. Average shpg. wt., 1 oz.

SERIES 5GA—1000 WVDC

Stock No.	Type	μF	WVDC	E.A.
43 B 6300	V50	.5	1000	.15
43 B 6302	V75	.75	1000	.15
43 B 6304	O10	1.0	1000	.15
43 B 6306	O15	1.5	1000	.15
43 B 6308	O20	2.0	1000	.15
43 B 6309	O22	2.2	1000	.15
43 B 6310	O25	2.5	1000	.15
43 B 6312	O33	3.3	1000	.15
43 B 6315	O47	4.7	1000	.15
43 B 6316	O50	5.0	1000	.15
43 B 6317	O56	5.6	1000	.15
43 B 6318	O68	6.8	1000	.15
43 B 6319	O75	7.5	1000	.15
43 B 6320	O82	8.2	1000	.15
43 B 6322	T10	10.0	1000	.15
43 B 6323	T12	12.0	1000	.15
43 B 6325	T15	15.0	1000	.15
43 B 6326	T18	18.0	1000	.15
43 B 6327	T20	20.0	1000	.15
43 B 6328	T22	22.0	1000	.15
43 B 6330	T25	25.0	1000	.15
43 B 6331	T27	27.0	1000	.15
43 B 6332	T30	30.0	1000	.15

SERIES 5HK—500 AND 1000 WVDC

Stock No.	Type	μF	WVDC	E.A.
43 B 8650	D10	.001	1000	.15
43 B 8651	D15	.0015	1000	.15
43 B 8652	D20	.002	1000	.15
43 B 8659	D25	.0025	1000	.15
43 B 8661	D33	.0033	1000	.15
43 B 8665	D47	.0047	1000	.15
43 B 5673	D50	.005	1000	.15
43 B 8666	D68	.0068	1000	.15
43 B 8674	S10	.015	500	.15
43 B 8675	S15	.02	500	.15
43 B 8690	S20	.02	500	.15
43 B 8669	S25	.025	500	.15
43 B 8952	S40	.04	500	.27
43 B 8953	S50	.05	500	.27
43 B 8954	P10	.1	500	.78

LOW VOLTAGE CERAMICS



Especially designed for circuits requiring extremely small components. Ideal for printed circuits, transistor-type radios, etc. Provide very dependable service in bypass and coupling applications. Have excellent humidity resistance.

A Type TG. Have heavy, protective coating. All are rated at 50 working volts, DC. Have tolerance of +80% to -20% except S25, +80% to -30%. Av. shpg. wt., 3 oz.

Stock No.	Type	μF	Dia.	EACH
43 B 5995	D50	.005	3/8"	.15
43 B 5996	S10	.015	1/2"	.15
43 B 5997	S25	.025	5/8"	.15
43 B 5998	S50	.05	1 1/2"	.30
43 B 5999	P10	.1	1 1/2"	.36

A Hypercon Type. Ultraminature ceramic disc capacitors, guaranteed minimum value. All are rated 3 working volts, DC, except *10 WVDC. Shpg. wt., 2 oz.

Stock No.	Type	μF	Dia.	EACH
43 B 6671	HV-120	.1	.225"	.39
43 B 6672	HV-125	.22	.275"	.24
43 B 6673	HV-130	.47	.400"	.24
43 B 6674	HV-135	1.0	.595"	.30
43 B 6675	HV-150	2.2	.840"	.39
43 B 6394	HV-310*	.047	.275"	.15
43 B 6395	HV-320*	.1	.400"	.15
43 B 6396	HV-325*	.22	.595"	.30
43 B 6397	HV-330*	.47	.840"	.36

B Monolithic Type. Solid homogeneous block construction assures excellent humidity resistance. Rated 25 working volts, DC. Temperature rating, -55°C to +85°C. Tolerance, ±20%. Size, 1/2x1/2x1/2". 2 oz.

Stock No.	Type	μF	EACH
43 B 6589	SC104	.1	.98
43 B 6382	SC154	.15	1.02
43 B 6692	SC164	.22	1.14
43 B 6699	SC334	.33	1.42
43 B 6825	SC474	.47	1.60
43 B 6823	SC684	.68	1.76
43 B 6824	SC105	1.0	2.00

SERIES 10TCC NPO CERAMICS

Zero temperature-coefficient capacitors. 100 WVDC. All capacitors listed below are of the disc type. *Mfr's Type. Av. shpg. wt., 2 oz.

Stock No.	Type	μF	Stock No.	Type	μF
43 B 9955	V10	1.0	43 B 9965	O25	.25
43 B 9956	V15	1.5	43 B 9966	O33	.33
43 B 9957	V22	2.2	43 B 9967	O47	.47
43 B 9958	V33	3.3	43 B 9968	O68	.68
43 B 9959	V47	4.7	43 B 9969	O82	.82
43 B 9960	V68	6.8	43 B 9970	O68	.68
43 B 9961	O10	10.0	43 B 9971	O75	.75
43 B 9962	O15	15.0	43 B 9972	T10	10.0
43 B 9963	O20	20.0	43 B 9973	T12	12.0
43 B 9964	O22	22.0	43 B 9974	T15	15.0

EACH .15

Stock No.	Type	μF	EACH
43 B 9975	T175	175	.15
43 B 9976	T22	220	.21
43 B 9977	T27	270	.30

SERIES 10TCU N750 CERAMICS

A negative temperature coefficient capacitor with a negative change of 750 parts per million per degree Centigrade. 1000 WVDC. All capacitors listed below are disc type except *rectangular. Av. shpg. wt., 3 oz.

Stock No.	Type	μF	Stock No.	Type	μF
43 B 9978	V50	5.0	43 B 9986	O68	.68
43 B 9979	O10	10	43 B 9987	O75	.75
43 B 9980	O15	15	43 B 9988	T10	10
43 B 9982	O22	22	43 B 9989	T15	15
43 B 9983	O25	25	43 B 9990	T20	20
43 B 9984	O33	33	43 B 9991	T22	22
43 B 9985	O47	47	43 B 9992	T30	30

EACH .15

CENTRALAB TRIMMERS



Unusually compact, stable trimmer capacitors with ceramic dielectric. Lightweight, easily mounted. Need only a screwdriver for perfect simple adjustment. Provide a smooth, linear rate of capacitance change. Fine capacity range with just 180° rotation. Balanced rotor and heavy spring pressure for excellent mechanical stability, even under extreme conditions of heavy vibration. Silver is diffused to stator and rotor, which make contact on flat optically ground surface to eliminate air space. All types rated at 500 working volts, DC. Power factor less than .002 at 1 megahertz. Type 822 and Type 823 are constructed with steatite base. Type 827 with phenolic base, 829 is tubular ceramic (furnished with mounting screw and nut). Letter X in Type Number indicates negative temperature coefficient, letter Z in Type Number indicates zero temperature coefficient. Average shpg. wt., 2 oz.

TYPE 822 I

Stock No.	Mfr's Type	μF	Base Size	EACH
43 B 1651	822-EN	4-30	2 1/2x3 1/2	1.14
43 B 1125	822-CN	4.5-25	2 1/2x3 1/2	1.14
43 B 1126	822-AN	4.5-25	2 1/2x3 1/2	1.14
43 B 1127	822-AN	4.5-25	2 1/2x3 1/2	1.14
43 B 1128	822-AN	8.50	2 1/2x3 1/2	1.14
43 B 1653	822-RZ	1-57	2 1/2x3 1/2	1.14
43 B 1128	822-RZ	2.5-13	2 1/2x3 1/2	1.14
43 B 1654	822-RZ	3-12	2 1/2x3 1/2	1.14
43 B 1127	822-RZ	4.5-25	2 1/2x3 1/2	1.14

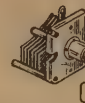
TYPES 823, 827 AND 829

*Dimension given is for body length.

Stock No.	Mfr's Type	μF	Base Size	EACH
43 B 1510	823-AN	20-125	1 1/2x1 1/2	3.60
43 B 1513	823-AN	12-62	1 1/2x1 1/2	3.60
43 B 1517	827-B	3.5-12	1 1/2x1 1/2	.90
43 B 1518	827-C	6-30	1 1/2x1 1/2	.90
43 B 1519	827-D	7.35	1 1/2x1 1/2	.90
43 B 1400	829-1	5.3	1 1/2x1 1/2	.24
43 B 1402	829-6	1.6-10	1 1/2x1 1/2	.24
43 B 1404	829-10	1.5-10	1 1/2x1 1/2	.24

Variable Capacitors and Noise Filters

E. F. JOHNSON CAPACITORS



TYPE M MINIATURE VARIABLES

Large-type stator terminal provides low inductance; oversize bearing, heavily anchored or supports insure rigidity. $\frac{1}{4}$ " hole. Space, $\frac{1}{4}$ " hole. Slotted shaft takes $\frac{1}{8}$ " dia. 1250 V approx. peak break-down. Low-temperature insulation. Nickel-plated. 2 oz.

A SINGLE SECTION

Stock No.	Mfr's Type	Max. μ F	Min. μ F	No. of Plates	EACH
B 3758	160-102	5.0	1.5	5	.90
B 3759	160-104	8.7	1.8	9	.95
B 3760	160-107	14.2	2.3	15	1.00
B 3761	160-110	19.6	2.7	21	1.10
B 3766	160-130	32	3	28	1.20

B BUTTERFLY

Stock No.	Mfr's Type	Max. μ F	Min. μ F	No. of Plates	EACH
B 3763	160-205	5.1	1.8	9	1.30
B 3764	160-208	8.0	2.2	12	1.45
B 3765	160-211	10.8	2.7	22	1.60

C TYPE S VARIABLES

Compact and rugged; 850 V peak rating. Slotted hex-nut shaft. Panel space $2\frac{1}{2}$ " x $2\frac{1}{2}$ ". $\frac{1}{4}$ " behind. Two 4-40 mtg. holes. 1 lb.

Stock No.	Mfr's Type	Max. μ F	Min. μ F	No. of Plates	EACH
B 3771	148-1	15-2.3	3	6	1.05
B 3772	148-2	25-2.6	6	10	1.10

C TYPE S VARIABLES (Cont'd)

Stock No.	Mfr's Type	Max. μ F	Min. μ F	No. of Plates	EACH
43 B 3773	148-3	35-2.9	14	15	1.15
43 B 3774	148-4	50-3.2	19	120	1.20
43 B 3776	148-6	100-4.5	38	140	1.40

TYPE L VARIABLES

Extremely stable; vibration- and shock-proof. 1500 V peak rating. Panel space $1\frac{1}{2}$ " sq. behind. $\frac{1}{4}$ " shaft. Wt., 1 lb.

D SINGLE END PLATE

Stock No.	Mfr's Type	Max. μ F	Min. μ F	No. of Plates	EACH
43 B 3777	167-1	11-2.8	3	190	
43 B 3778	167-2	27-3.5	7	205	
43 B 3779	167-3	51-4.6	13	230	
43 B 3780	167-4	75-5.7	19	250	

E TYPE R VARIABLES

Extra-heavy rugged construction. Panel or base mtg. Panel space $1\frac{1}{2}$ " x $1\frac{1}{2}$ ". Up to 216" behind. 1200 V peak. Shpg. wt., 1 lb.

Stock No.	Mfr's Type	Max. μ F	Min. μ F	No. of Plates	EACH
43 B 3754	149-3	50-6.5	7	295	
43 B 3755	149-5	100-8.5	14	320	
43 B 3757	149-6	140-13.5	19	350	

TYPE U SUBMINIATURE VARIABLES

Single section. High Q. Low temp. coeff. $\frac{1}{4}$ " sq. panel space, up to $\frac{1}{4}$ " behind. 650-V peak break-down, except 110 V. $\frac{1}{8}$ " terminals. $\frac{1}{16}$ " screwdriver adjustment. Av. wt., 4 oz.

F PRINTED CIRCUIT MOUNTING

Stock No.	Mfr's Type	Max. μ F	Min. μ F	No. of Plates	EACH
43 B 4523	189-501-5	4.2-1.2	4	.56	
43 B 4524	189-502-5	6.7-1.3	6	.58	
43 B 4525	189-503-5	9.2-1.4	8	.58	
43 B 4526	189-504-5	11.6-1.5	10	.58	
43 B 4527	189-505-5	14.1-1.7	12	.60	
43 B 4528	189-506-5	16.7-1.8	14	.62	
43 B 4532	*189-526-5	5.1-1.3	6	.62	
43 B 4533	*189-527-5	8.5-1.6	10	.64	
43 B 4536	*189-528-5	11.4-1.8	14	.66	

G TWO-HOLE MOUNTING†

Stock No.	Mfr's Type	Max. μ F	Min. μ F	No. of Plates	EACH
43 B 4548	189-501-4	4.2-1.2	4	.60	
43 B 4549	189-502-4	6.7-1.3	6	.62	
43 B 4550	189-503-4	9.2-1.4	8	.60	
43 B 4551	189-504-4	11.6-1.5	10	.62	
43 B 4592	189-505-4	14.1-1.7	12	.64	
43 B 4593	189-506-4	16.7-1.8	14	.66	
43 B 4597	189-526-4	5.1-1.3	6	.66	
43 B 4598	*189-527-4	8.5-1.6	10	.68	
43 B 4599	*189-528-4	11.4-1.8	14	.70	

RECEIVER-TYPE CAPACITORS AND ACCESSORIES

TRF CAPACITORS

Gang. For use in superhets without RF stage or in 2-stage RF receivers. Each section 29 plates. Range, 15.5 to 367 μ F, each section. Counterclockwise rotation increases capacity. With trimmers. End plates slotted for easy tracking adjustment. Spring brass pivots. Take series padder for use as an extender in order to convert to $\frac{1}{4}$ " shaft. See coil and IF section of this catalog for details. Size, $1\frac{1}{2}$ " x $1\frac{1}{2}$ " x $2\frac{1}{2}$ ". Shpg. wt., 8 oz. B 3528



2-Section Superhet Variable. 19-plate oscillator section with 17.2 max.—10.6 min. μ F. Has one 2-17 μ F trimmer. 27-plate RF section with 434 max. to 14.5 min. μ F. Has one 2-17 μ F trimmer. Capacity increases with CCW rotation. Overall size, $1\frac{1}{2}$ " x $1\frac{1}{2}$ " x $2\frac{1}{2}$ ". Shaft, $\frac{1}{4}$ " x $\frac{3}{4}$ ". Shpg. wt., 8 oz. 43 B 3529



MIDGET SUPERHET AND TRF TYPES

Midget Superhet. Miniature size without sacrifice of performance makes these 2-gang variables perfect for portable and midget sets. Capacity: RF sec., 14.5 to 368 μ F, 27 plates; osc. sec., 11.6 to 136.6 μ F, 15 plates. Cap. increases CCW. 455 kHz IF. Trimmers. $1\frac{1}{2}$ " x $1\frac{1}{2}$ " x $2\frac{1}{2}$ ". Shpg. wt., 6 oz. 43 B 3523



Miniature Superhet. RF section is 10.8 μ F to 232.4 μ F. Oscillator section is 8.5 μ F to 106.3 μ F. $1\frac{1}{2}$ " x $1\frac{1}{2}$ " x $2\frac{1}{2}$ ". Shpg. wt., 5 oz. 43 B 2605

Midget TRF. Compact, 33-plate, single-section capacitor. Variable from 15 to 400 μ F. Capacity increases clockwise. $\frac{1}{4}$ " deep, $\frac{1}{4}$ " wide, $\frac{1}{4}$ " high. $\frac{1}{4}$ " diameter shaft. 1" long. Shpg. wt., 5 oz. 43 B 3524



MINIATURE 2-GANG CAPACITOR

For up-to-date miniature tube or transistor circuits, also used as a direct replacement for most units used in current pocket-size transistor receivers, for both foreign and domestic models. Completely enclosed in clear polyethylene plastic case. Plates rotate 180°. Maximum capacity for use in antenna section is 148.1 μ F. Maximum in oscillator section, 65.2 μ F. Trimmer capacity is variable to over 6 μ F. Trimmer adjustments may be made through case. $\frac{1}{8}$ " sq. by $\frac{1}{8}$ " deep. Shpg. wt., 4 oz. 43 B 7092

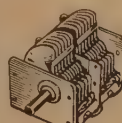


MINIATURE SINGLE SECTION TUNING CAPACITOR WITH DIAL

Miniature single-gang capacitor for use in TRF, broadcast band and experimental receivers, transmitters, signal generators, wave traps and many other units. Ideal for transistor circuits. An excellent device for the hobbyist or experimenter building miniature electronic instruments. Capacity variable from 10 to 365 μ F. Has $\frac{1}{4}$ " diameter, clear plastic tuning dial with milled edges. Calibration in silver numerals read from 530 to 1600 kHz. Full 180° rotation. Size, $1\frac{1}{2}$ " sq. by $\frac{1}{8}$ " deep, $\frac{1}{4}$ " shaft. 5 oz. 43 B 7091



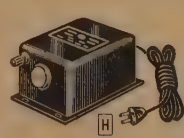
and 3-Gang Capacitors. Compact TRF variable capacitors. Have trimmers on side of frame. Outer rotor plates are slotted for tracking adjustment. Tapped plates in frame provide precise counting. Range: 12 to 367 μ F. Shaft diameter, $\frac{1}{4}$ ". Size of 2-gang: $2\frac{1}{2}$ " x $1\frac{1}{2}$ " x $2\frac{1}{2}$ ". Size of 3-gang: $4\frac{1}{2}$ " x $1\frac{1}{2}$ " x $2\frac{1}{2}$ ". Av. shpg. wt., 6 oz. B 3521



Allied has the world's largest selection of electronic components for experimenters, hobbyists, and builders. Use the handy, complete index in the back of this catalog.

CORNELL-DUBILIER PLUG-IN NOISE FILTERS

Type IF-18. Effective capacitive inductive type of filter for suppression of power line interference. For use wherever ventilating or air conditioning units, washing machines, or machine tools interfere with radio-TV reception. Bakelite case, 6x $\frac{3}{4}$ " x $2\frac{1}{2}$ " x 1" cord, plug, receptacle and ground terminal. 115 volts, AC-DC, 5 amps. 4 lbs. 3 B 3564



Type IF-19. Smaller than above, yet has as much attenuation. Has line cord, plug, receptacle, and ground terminal. For 115 volts, AC-DC. Rated 5 amps. $4\frac{1}{2}$ " x $2\frac{1}{2}$ " x $1\frac{1}{2}$ ". Shpg. wt., 3 lbs. 3 B 3565

Type IF-4. Efficient plug-in, cylindrical filter for suppression of medium-frequency interference produced by fluorescent lights, electric shavers, fans, food mixer, billing machines and similar devices. Well suited for use with small receivers such as AC-DC midget sets, portable TV sets, etc. Filter plugs directly into wall; apply or receive plug into filter. Rated at 115 volts, AC-DC, 5 amps. $1\frac{1}{2}$ " dia., 2" long. Shpg. wt., 5 oz. 43 B 3568

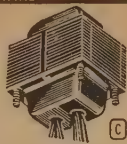


Type IF-6. Convenient plug-in filter designed for elimination of moderate interference. Especially suitable for suppression of interference caused by fluorescent lights, electric shavers and similar devices. For installation in an accessory of a portable or semi-permanent nature on radios, TVs, etc. Connects between power line and appliance or between power line and receiver. Rated at 115 volts, AC. 5 amps. $1\frac{1}{2}$ " dia., 2" long. Shpg. wt., 6 oz. 43 B 3569

Specify Stock No., Mfr's Type and Capacitance on Capacitor Orders

knight Transformers — Exclusive at Allied

Knight Low-Cost Transformers Provide Dependability and Big Savings



POWER TRANSFORMERS

For radio replacement use, etc. Fully shielded. Heavy-duty 5" coded leads. All plate windings are center-tapped, except "half-wave" type; for 6AX5, 6X4, 6X5 and similar 6.3 V. filament rectifiers and for selenium rectifier. CT 6.3-V winding except has two 6.3 V. windings. †Not CT. ‡Static shield. †60 Hz only. **22.5 volt at 5 amperes winding. 110-120 volt, 50-60 Hz primaries.

Stock No.	Fig.	Plate		5 V at A	6.3 V at A	Mtg. Ctrs.	Wt., Lbs.	EACH	
		VCT	mA						
54 B 3710	A	115*	15	...	0.6†	2 3/8"	1	5.05	
54 B 1410	B	125*	15	...	0.6†	2"	1 1/4	2.40	
54 B 1411	A	125*	50	...	2†	3 1/8"	1 1/2	3.88	
54 B 3708	C†	135*	200	...	5.5‡	2 3/8"x2 1/4"	3 1/2	8.77	
54 B 4720	D	230	40	...	1.5	1 3/4"x1 3/8"	1 1/2	5.30	
54 B 2008	B	250	25	...	1.0†	2 3/8"	1	2.88	
54 B 2318	B	380*	20	...	0.6†	2 1/8"	1 1/4	3.71	
54 B 3706	D	440	50	...	**	2x1 1/16"	2 1/4	7.11	
54 B 1461	D	460	50	...	2.5†	2x1 3/8"	2 3/4	5.18	
54 B 2502	C	460	50	...	2.5†	2 1/2"x2"	2 3/4	5.18	
54 B 2034	C	480	40	...	2	2 1/2"x2"	2 3/4	5.61	
54 B 2503	C	480	55	...	2	2 1/2"x2"	3	5.39	
54 B 2504	C	480	70	...	3†	2 1/2"x2"	3	5.93	
54 B 1427	D	480	40	...	2	2x1 1/16"	2 3/4	5.61	
54 B 1462	D	480	55	...	2	2x1 3/8"	3	5.91	
54 B 1463	D	480	70	...	3†	2 1/2"x2"	3	5.93	
54 B 2505	D	500	40	...	2	2x1 1/16"	3	5.89	
54 B 2506	C	500	70	...	2.0	2 1/2"x2"	3 1/2	6.84	
54 B 2550	C	500	40	...	2	2 3/8"x1 3/4"	2 1/4	5.71	
54 B 2551	D	500	40	...	2	1 1/2"x2 1/8"	2 1/4	5.71	
54 B 1464	D	500	70	...	2.5	2x2 1/8"	3 1/2	6.84	
54 B 1465	D	520	90	...	4†	2 1/4"x1 1/8"	3 3/4	6.91	
54 B 1444	C	520	90	...	2	3 1/8"x2 1/4"	4	7.11	
54 B 1412	D	520	90	...	2	2 1/4"x2 1/4"	4	7.11	
54 B 2507	C	520	90	...	4†	2 3/8"x2 1/4"	3 3/4	6.91	
54 B 2554	D	525	90	...	2	2 1/2"x2 1/8"	4	9.74	
54 B 4722	C	525	90	...	2	3 1/8"x2 1/4"	4 1/2	9.77	
54 B 1466	D	540	120	...	3	3 1/2"x2 1/2"	5	9.97	
54 B 2509	C	540	120	...	3	3 1/2"x2 1/2"	5	9.97	
54 B 1467	C	550	50	...	2.5	2 1/2"x2"	3 3/4	7.77	
54 B 3704	D	600	65	...	2.7‡	2x1 1/16"	2 3/4	6.46	
54 B 1468	C	600	70	...	2	3 1/2"x2"	3 3/4	8.51	
54 B 2523	D	600	90	...	2	3 1/2"x2"	4 1/4	8.83	
54 B 1469	C	600	120	...	3	3 1/2"x2 1/2"	6	10.45	
54 B 4725	D	600	70	...	2	2x2 3/8"	3 3/4	8.51	
54 B 2519	C	600	90	...	2	3 1/2"x2 1/4"	4 1/4	8.83	
54 B 2526	D	600	120	...	3	3 1/2"x2 3/8"	6	10.45	
54 B 3703	D	650	150	...	3 1/2	2 1/2"x2 3/8"	6	10.55	
54 B 1413	D	650	40	...	2	2 1/2"x1 1/8"	2 1/2	5.83	
54 B 2528	C	650	55	...	2	2 1/2"x2"	3 1/2	6.65	
54 B 4730	D	650	150	...	3	2 1/2"x3"	7 1/2	10.55	
54 B 2041	C	650	40	...	2	2 1/2"x2"	2 1/2	5.83	
54 B 2042	C	650	70	...	3	2 1/2"x2"	4 1/4	5.71	
54 B 1428	D	650	70	...	3	2x2 3/8"	4 1/4	5.71	
54 B 1471	C	650	150	...	3	3 1/2"x2 1/2"	7 1/2	10.55	
54 B 1472	D	680	70	...	2	2 1/2"x2 3/8"	7	8.05	
54 B 2532	C	680	70	...	2	2 1/2"x2 3/8"	4	8.05	
54 B 2534	C	700	200	...	3	3 3/4"x3"	8	14.21	
54 B 2043	C	700	90	...	3	2 1/2"x2 1/4"	4 1/2	8.05	
54 B 1429	D	700	90	...	3	2 1/4"x2 3/8"	4 1/4	9.81	
54 B 2044	C	700	120	...	3	3 1/2"x2 1/4"	5 3/4	9.45	
54 B 1430	D	700	120	...	3	2 1/2"x2 1/4"	5 3/4	9.45	
54 B 2535	D	700	200	...	3	3x2 1/8"	8	14.21	
54 B 2552	C	750	175	...	3	3 1/2"x2 3/8"	9 1/2	14.82	
54 B 2045	C	750	150	...	3	3 1/2"x2 1/4"	6 1/2	11.54	
54 B 1431	D	750	150	...	3	2 1/2"x3 1/8"	6 1/2	11.96	
54 B 2553	D	750	175	...	3	2 1/2"x3 1/8"	9 1/2	14.82	
54 B 2547	C	800	250	...	4	3 3/4"x3"	10 3/4	15.01	
54 B 3702	D	800	30	...	2 1/2	2x2 1/8"	3	10.57	
54 B 2033	C	800	200	...	3	3 3/4"x3"	8	12.72	
54 B 1414	D	800	200	...	3	3x2 1/8"	7 3/4	12.72	
54 B 2548	D	800	250	...	4	3x3 3/8"	10 1/4	15.01	
54 B 3701	D#	900	250	...	4 1/2	3x3 3/8"	12	18.92	
54 B 1473	D	1200	200	...	3	3 1/4"x3"	9 1/2	15.82	
54 B 2549	D	1200	200	...	3	3 1/4"x3"	9 1/2	15.82	
54 B 3700	D#	1840	Capacitive input 200 mA; Inductive input 250 mA				3x3 1/8"	13	17.58

CONTROL TRANSFORMERS

For small-speed automatic equipment, relays, pilot lamps, solenoids, small motors. May be used in high current, low voltage power supplies. Secondary has two identical windings which permit series or parallel operation. Primary for 115 or 230 volts, 50-60 Hz.

Stock No.	Fig.	Parallel Volts	Sec. Amps	Series Volts	Sec. Amps	Size Hx Wx D	Wt., Lbs.	EACH
54 B 2351	E	6	2	12	1	2 3/8"x2 3/8"x1 3/4"	1	3.52
54 B 2352	E	6	4	12	2	2 3/8"x3 1/8"x2"	1 3/4	4.29
54 B 2353	E	12	4	24	2	3 1/8"x3 5/8"x2 1/4"	2 1/2	5.18
54 B 2354	F	12	8	24	4	3 3/8"x2 3/8"x3"	4 1/2	8.45

VARIABLE VOLTAGE AND ISOLATION TRANSFORMERS

Output, 11 1/2 V except *105, 115, 125, 50-60 Hz. 6' cord, plug.

Stock No.	Fig.	Watts	Input Volts	Size Hx Wx D	Mtg. Centers	Wt., Lbs.	EACH
54 B 2080	G	150	90-250	4 5/8"x3 7/8"x5 1/2"	3x3 1/8"	9 1/2	18.44
54 B 1490	G	100	105-125	4 5/8"x3 7/8"x4 1/4"	3x2 3/8"	7 1/2	16.04
54 B 2563	H	*350	117	5 1/2"x4 3/8"x5 3/4"	3 1/2"x3 3/8"	16	26.85

ISOLATION TRANSFORMERS

Reduce shock hazard by isolating equipment from AC power line. Prevent "hot chassis" when servicing AC-DC equipment. For 115 V, 50-60 Hz. With 6-ft. cord, plug, standard AC receptacle.

Stock No.	Fig.	Watts	Size, Hx Wx D	Wt., Lbs.	EACH
54 B 1426		50	3 5/8"x3 3/8"	3 1/2	7.96
54 B 2086		100	4 5/8"x3 3/8"	4	14.06
54 B 2087		250	4 5/8"x3 1/2"x4 3/8"	12 1/2	24.61

230 TO 115-VOLT STEP-DOWN AUTOTRANSFORMERS

Well-built step-down transformers for reducing 220-250 volts, 50-60 Hz. to 110-125 volts. For operating tape recorders, radios, amplifiers, household appliances, etc. Shielded construction. With 8-ft. cord and plug. Standard AC receptacle on case. *No cord.

Stock No.	Fig.	Volts-Amps	Size, Hx Wx D	Wt., Lbs.	EACH
54 B 1494	J	8	3 1/4"x1 1/8"	1	3.82
54 B 2555	A*	20	2 3/4"x1 1/2"	1 1/4	3.32
54 B 2556	A*	40	2 3/8"x3 3/8"x2 1/4"	1 3/4	4.32
54 B 2510	H	80	3 3/8"x3 3/4"	3 1/4	8.01
54 B 2557	H	100	3 1/2"x2 3/8"x3 3/8"	4	8.51
54 B 2511	H	150	4x3 3/8"x3 3/8"	4 1/4	10.19
54 B 2512	H	250	4x3 3/8"x4 1/4"	7 3/4	13.28
54 B 2513	H	500	4 5/8"x3 3/8"x4 1/4"	11	18.24
54 B 1434	H	750	5 1/2"x4 3/8"x5"	13 3/4	22.97
54 B 1432	H	1000	5 1/2"x4 3/8"x5 1/4"	14 3/4	30.15
54 B 1435	H	1500	6x4 1/2"x5 3/8"	20	33.72
54 B 1433	H	2000	6x4 1/2"x6 3/8"	25	38.16

115 TO 230-VOLT STEP-UP AUTOTRANSFORMERS

Increase 110-125 volts, 50-60 Hz., to 220-250 volts. Shielded construction. 8' cord, plug. Std. AC receptacle on case.

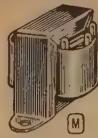
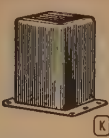
Stock No.	Fig.	Volts-Amps	Size, Hx Wx D	Wt., Lbs.	EACH
54 B 2558		80	3 5/8"x3 3/4"	3 1/4	8.01
54 B 2559		150	4x3 3/8"x3 3/8"	4 3/4	9.89
54 B 2560		500	4 5/8"x3 3/8"x4 1/4"	10 1/4	18.22

MULTI-TAP SELENIUM RECTIFIER TRANSFORMERS

Tapped primary and additional tapped winding permit a variety of output voltages in addition to those shown. 117 V, 50-60 Hz primaries. Include wiring diagram. *Capacitive load.

Stock No.	Rect. Circuit	Range of AC Volts	Max DC Output* Volts/Amps	Size Hx Wx D	Wt., Lbs.	EACH
54 B 2331	CT	11.5 to 29.5	13.6 2.0	3x2 1/2"x2 3/4"	2 3/4	5.61
54 B 2332	Bridge	11.0 to 28.5	30.0 1.25	3x2 1/2"x2 3/4"	4 1/2	7.77
54 B 2333	CT	12.0 to 29.6	14.5 4.0	3 3/8"x2 3/8"x3"	6 1/4	9.75
54 B 2334	Bridge	11.5 to 29.0	14.5 4.8	3 3/4"x3 3/8"x3 1/2"	9	13.87
54 B 2335	CT	12.0 to 29.5	14.2 12.0	4 1/8"x3 1/2"x3 3/8"	13	17.66
	Bridge	12.0 to 29.0	32.0 8.0	4 5/8"x3 3/8"x4 1/2"	13	17.66

Knight Transformers for Low-Cost Dependability



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Knight Trans-
formers Are
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FILTER AND SMOOTHING CHOKES

All chokes are rated at 10 volts, 60 Hz with maximum DC in winding. Ratings have -15%, +50% tolerance. Insulation withstands 1500 volts, m.s. except 12000, \$3000.

Stock No.	Fig.	H	mA	Res., Ohms	Mtg. Centers	Lbs.	Wt.	EACH
54 B 2341	F	.01	12,500	.11	3 1/2 x 2 1/2	6 1/2	10.23	
54 B 2342	F	.025	4000	.425	2 1/2 x 2 1/2	1 1/2	6.72	
54 B 2343	F	.035	2000	.75	2 1/2 x 2	1 1/2	3.84	
54 B 4700	F	.8	2500/5000	.61/.155	2 1/2 x 3 1/2	6 1/2	11.59	
54 B 4701	F	.3/.075	1000/2000	.3/.75	2 1/2 x 2 1/2	4 1/2	8.35	
54 B 4702	A	.33	600	10	2 1/2 x 1 1/2	1 1/2	3.17	
54 B 4703	A	.90	200	30	2 1/2 x 1 1/2	1 1/2	1.79	
54 B 1405	A	.80	375	25	3 1/2 x 1 1/2	1 1/2	3.62	
54 B 1479	A	.110	300	40	3 1/2 x 1 1/2	1 1/2	3.19	
54 B 1480	A	.115	10	95	1 1/2 x 1 1/2	1 1/2	1.33	
54 B 1406	A	1.5	200	60	2 1/2 x 1 1/2	3/4	1.82	
54 B 1481	A	2.0	200	65	3 1/2 x 1 1/2	1 1/2	3.10	
54 B 3990	A	2.0	150	70	1 1/2 x 1 1/2	1 1/2	1.68	
54 B 1482	A	2.3	150	60	2 1/2 x 1 1/2	1 1/2	2.53	
54 B 2344	A	12.5	130	100	2 1/2 x 1 1/2	1 1/2	2.46	
54 B 2345	A	2.8	300	60	3 1/2 x 1 1/2	1 1/2	4.39	
54 B 1493	A	3.0	150	97	3 1/2 x 1 1/2	1 1/2	2.93	
54 B 1407	A	.35	50	200	2 1/2 x 1 1/2	1 1/2	1.76	
54 B 3991	D	14.0	250	60	2 1/2 x 2 1/2	4 1/2	8.70	
54 B 2346	D	24.0	175	100	2 1/2 x 1 1/2	2 1/2	4.96	
54 B 2347	D	14.5	200	80	2 1/2 x 2 1/2	3 1/2	6.30	
54 B 2348	K	13.0	150	300	2 1/2 x 2 1/2	2 1/2	3.75	
54 B 2135	A	5.5	50	330	2 1/2 x 1 1/2	1 1/2	1.46	
54 B 4704	A	6.0	200	150	3 1/2 x 1 1/2	2 1/2	4.17	
54 B 4705	D	6.0	200	150	2 1/2 x 1 1/2	2 1/2	5.66	
54 B 1408	A	7.0	150	200	3 1/2 x 1 1/2	2 1/2	3.48	
54 B 1484	A	8.0	150	200	2 1/2 x 1 1/2	2 1/2	3.48	
54 B 1485	A	8.0	85	260	2 1/2 x 1 1/2	1 1/2	2.61	
54 B 2136	A	8.5	50	400	2 1/2 x 1 1/2	3/4	1.58	
54 B 1409	F	18.5	200	140	2 1/2 x 2 1/2	3 1/2	7.59	
54 B 1486	F	12.8/4	100/150/200	145	2 1/2 x 1 1/2	2 1/2	3.46	
54 B 4706	D	11.0	200	150	2 1/2 x 2 1/2	2 1/2	5.05	
54 B 4707	A	10.0	90	270	2 1/2 x 1 1/2	1 1/2	2.95	
54 B 2139	A	10.5	110	220	2 1/2 x 1 1/2	2 1/2	3.61	
54 B 3995	A	12.0	30	400	2 1/2 x 1 1/2	1 1/2	2.08	
54 B 1486	A	12.8/4	100/150/200	145	2 1/2 x 1 1/2	2 1/2	3.46	
54 B 1487	A	13.0	65	385	2 1/2 x 1 1/2	1 1/2	2.05	
54 B 2138	A	15.0	75	400	3 1/2 x 1 1/2	1 1/2	2.93	
54 B 2137	A	16.0	50	550	2 1/2 x 1 1/2	1 1/2	2.18	
54 B 1488	D	16.0	80	365	2 1/2 x 1 1/2	2 1/2	5.40	
54 B 1489	A	20.0	15	900	2 1/2 x 1 1/2	1 1/2	2.38	
54 B 2349	A	35.0	15	1600	2 1/2 x 1 1/2	1 1/2	2.38	
54 B 2350	A	350.0	5	5500	2 1/2 x 1 1/2	1	3.83	

HIGH-CURRENT CHOKES

54 B 3996	F	.01	8.0 amps	.45	3 1/2 x 2 1/2	1 1/2	8.82
54 B 3997	F	.005	22.5 amps	.03	3 1/2 x 3 1/2	12	14.75

LOW-VOLTAGE RECTIFIER TRANSFORMERS

For silicon diode and transistor DC voltages with full-wave or bridge rectifier. 1500 volt test. Primaries, 115 V. Primaries of Fig. L types are tapped. All are Fig. L except *Fig F and †Fig. D.

Stock No.	Fig.	Secondary Volts AC	Amps	Size H x W x D	Mtg. Ctrs.	Lbs.	Wt.	EACH
54 B 4731	10	20 CT-40 CT	.035	1 1/2 x 2 1/2 x 1 1/2	2 1/2	1 1/2	3.78	
54 B 4732	10	20 CT-40 CT	.100	1 1/2 x 2 1/2 x 1 1/2	2 1/2	1 1/2	4.40	
54 B 4733	10	20 CT-40 CT	.300	2 1/2 x 3 1/2 x 2 1/2	3 1/2	1 1/2	5.12	
54 B 4734	10	20 CT-40 CT	.750	2 1/2 x 3 1/2 x 2 1/2	3 1/2	1 1/2	5.12	
54 B 4735	10	20 CT-40 CT	†1	3 1/2 x 2 1/2 x 3 1/2	2 1/2 x 1 1/2	3 1/2	9.71	
54 B 4736	0-17-18		*3	3 1/2 x 2 1/2 x 3 1/2	2 1/2 x 2 1/2	3 1/2	7.17	
54 B 4737	0-17-18		*6	3 1/2 x 3 1/2 x 3 1/2	2 1/2 x 2 1/2	3 1/2	9.71	
54 B 4738	0-6.5-13-19-26		*3	3 1/2 x 2 1/2 x 3 1/2	2 1/2 x 2 1/2	3 1/2	7.78	
54 B 4739	0-24-27-30-33-36		*8	4 1/2 x 3 1/2 x 3 1/2	3 1/2 x 3 1/2	4 1/2	11.33	
54 B 4740	0-24-27-30-33-36		*8	4 1/2 x 3 1/2 x 3 1/2	3 1/2 x 3 1/2	4 1/2	11.33	
54 B 3977	0-24-26-28-30		*15	4 1/2 x 3 1/2 x 5 1/2	3 1/2 x 3 1/2	18 1/2	51.56	

MINIATURE INTERCOM/TRANSCEIVER TRANSFORMERS

Transceiver and intercom transformers designed to replace original units. *Transceiver input, mike or plate to grid; has 4.5% primary tap used in B + filter network for hum reduction. †Intercom input, voice coil to grid. ‡Line to voice coil. Av. shpg. wt., 1/2 lb.

Stock No.	Fig.	Impedance, Ohms	Audio Watts	Mtg. Ctrs.	EACH
54 B 1491	A	*200/5000	25,000	5	2.93
54 B 1492	A	†4	25,000	3	2.28
54 B 1493	M	‡45/50	3-4, 6-8	2	2.03

Allied has more transformers available than shown in this catalog. For prompt price quotations, write, wire, or phone us.

A AUDIO TRANSFORMERS

*Single plate to P-P grid except, †single plate to single grid, ‡single or P-P plate to P-P grids, §P-P plate to voice coil. 1/2 x 1/2" cores. Av. shpg. wt., 2 lbs.

Stock No.	Impedance, Ohms		Turns Ratio	Max. mA	Size HxWxD	EACH
	Primary	Secondary				
54 B 3998	\$5000 CT	500/250/15/8/4	4	80	3 1/2 x 2 1/2 x 1 1/2	7.57
54 B 2062	†7000	20,000	1.3	10	1 1/2 x 2 1/2 x 1 1/2	2.10
54 B 1415	‡7000-15K	1.2	10	10	1 1/2 x 2 1/2 x 1 1/2	2.45
54 B 1458	†10,000	90,000 CT	1.2	10	1 1/2 x 2 1/2 x 1 1/2	2.44
54 B 1459	†10,000	90,000 CT	1.3	10	2 1/2 x 3 1/2 x 2 1/2	3.71
54 B 1460	†10,000 CT	90,000 CT	1.3	10	1 1/2 x 2 1/2 x 1 1/2	3.06
54 B 3999	†10,000 CT	8/4/2	1	40	1 1/2 x 2 1/2 x 1 1/2	3.02
54 B 4114	†10,000 CT	500/15/8/4	4	70	3 1/2 x 2 1/2 x 3 1/2	7.21
54 B 4115	†10,000/7000 CT	500/15/8/4	3	60	3 1/2 x 2 1/2 x 3 1/2	7.13

A TUBE TESTER FILAMENT TRANSFORMER

Has multi-tapped secondary. Primary: 125/115/105 volts, 60 Hz. Secondary output volts: 1.1, 1.4, 1.5, 2.0, 2.5, 3.0, 3.3, 4.0, 5.0, 6.0, 7.0, 7.5, 12/20/25/30/35/50/70/85/110/117. Mounting centers: 3 1/2". Overall size: 2 1/2 x 4 x 3 1/2". Shpg. wt., 2 1/2 lbs.

54 B 2083... Each 11.37

A SINGLE PLATE TO P-P GRID TRANSFORMER

Primary impedance: 10K ohms. Primary to 1/2 secondary ratio: 2/1.5/1. Maximum primary DC current: 40 mA. Overall size: 2 1/2 x 4 x 1 1/2". Mounting centers: 2 1/2". Shpg. wt., 1 1/2 lbs.

54 B 3983... Each 3.30

MICROPHONE OR LINE-TO-GRID TRANSFORMERS

Stock No.	Fig.	Primary Imp.	Sec. Imp.	Mtg. Ctrs.	Wt., Lbs.	EACH
54 B 3980	A	100	70K CT	2 1/2	1 1/2	3.73
54 B 3979	A	400 CT	195K	2 1/2	1 1/2	3.28

M STANDARD LINE-TO-VOICE-COIL TRANSFORMERS

500-ohm primary, except *2000/1500/1000/500 and ‡3000/2000/1500/1000/500 ohms. †Fig. E.

Stock No.	Fig.	Secondary Imp., Ohms	Audio Watts	Size H x W x D	Wt., Lbs.	EACH
54 B 1442	E	4-8	*4	1 1/2 x 3 1/2 x 1 1/2	1 1/2	2.38
54 B 1437	E	8-3/2	*5	1 1/2 x 2 1/2 x 1 1/2	1 1/2	1.90
54 B 1425	E	6-8/3/2	*8	1 1/2 x 2 1/2 x 1 1/2	3/4	2.95
54 B 1443	E	4-8	*12	2 1/2 x 3 1/2 x 1 1/2	1 1/2	3.22
54 B 1451	E	4/8/16	†10	2 1/2 x 2 1/2 x 1 1/2	1 1/2	3.98
54 B 1424	E	15/8/6/4	†25	2 1/2 x 2 1/2 x 1 1/2	1 1/2	3.49

25-VOLT LINE-TO-VOICE-COIL TRANSFORMERS

Secondaries: 4, 8, 16 ohms, except *3.2-4, 6-8.

Stock No.	Fig.	Watt Taps	Max. Watt	Size	Wt., Lbs.	EA.
54 B 1436	M	2, 1, 0.5	*2	1 1/2 x 2 1/2 x 1 1/2	1 1/2	2.68
54 B 1437	M	5, 2.5, 1.25, 0.625, 0.31	*2	1 1/2 x 2 1/2 x 1 1/2	1 1/2	2.89
54 B 1438	M	10, 5, 2.5, 1.25, 0.625, 0.31	*2	2 1/2 x 3 1/2 x 1 1/2	1 1/2	4.35
54 B 1439	M	18, 9, 4.5, 2.25, 1.12	18	2 1/2 x 4 x 2 1/2	2 1/2	4.25

70.7-VOLT LINE-TO-VOICE-COIL TRANSFORMERS

Secondaries: 4, 8, 16 ohms, except *3.2-4, 6-8. †High-fidelity.

Stock No.	Fig.	Watt Taps	Max. Watt	Size	Wt., Lbs.	EA.
54 B 1440	M	2, 1, .5	*2	1 1/2 x 2 1/2 x 1 1/2	1 1/2	2.73
54 B 2081	M	5, 2.5, 1.25, .62, .31	*2	1 1/2 x 2 1/2 x 1 1/2	1 1/2	2.65
54 B 1422	M	8, 4, 2, 1, .5	*2	2 1/2 x 3 1/2 x 1 1/2	1 1/2	3.55
54 B 2077	M	10, 5, 2.5, 1.25, .62, .31	10	1 1/2 x 2 1/2 x 1 1/2	3/4	3.37
54 B 2078	E	18, 9, 4.5, 2.25, 1.12, .56	18	2 1/2 x 2 1/2 x 1 1/2	1 1/2	4.15
54 B 1450	E	16, 8, 4, 2, 1, .5	16	2 1/2 x 3 1/2 x 2 1/2	2	5.31
54 B 2079	M	24, 12, 6, 3, 1.5, .75	24	2 1/2 x 3 1/2 x 2 1/2	1 1/2	5.01
54 B 1441	M	5, 2.5, 1.25, .625, .31	15	1 1/2 x 2 1/2 x 1 1/2	3/4	3.56

E LINE TO LINE OR VOICE COIL TRANSFORMER

Designed to operate one or more speakers, in parallel, across a 500-ohm line. Primary impedance: 500-1000-1500-2000-2500-3000 ohms. Secondary impedance: .06 to 8 ohms when primary is 500 ohms; 1.2 to 16 ohms when primary is 1000 ohms, etc. Size: 2 1/2 x 4 x 2". Mounting center: 2 1/2". Audio power: 15 watts. Shpg. wt., 2 lbs.

54 B 3978... Each 4.51



Compare specifications and prices. Allied's own Knight transformers always give you more for your money

Allied's own Knight transformers carry a one year warranty against defects in workmanship

FILAMENT TRANSFORMERS

Primaries, 117 volts, 50-60 Hz. *107 V tap on primary. All center-tapped, except †. ‡ Has electrostatic shield.

Stock No.	Fig.	V	Amps	Insul., rms V	Size H x W x D	Wt., Lbs.	EACH
54 B 2319	D	2.5	10.0	10000	3 3/8 x 2 1/2 x 2 1/2	2 3/4	7.51
54 B 3712	A	2.5†	1.5	2500	1 1/4 x 2 1/8 x 1 3/8	3/4	2.20
54 B 3711	F	2.5*	10.0	7500	3 3/8 x 3 3/8 x 3	2 1/2	4.48
54 B 4132	A	2.5	3.0	1500	1 1/4 x 2 1/8 x 1 7/8	3/4	2.96
54 B 1478	F	2.5	5.0	5000	2 3/4 x 3 1/2 x 2 1/2	1 3/4	4.05
54 B 1474	E	2.5	10.0	2500	3 3/8 x 2 3/4 x 2 1/4	2 3/4	5.47
54 B 4133	A	2.5	10.0	3000	2 3/8 x 3 1/4 x 2 3/8	1 3/4	4.91
54 B 1475	A	5.0	3.0	2500	2 x 3 1/4 x 2	1 1/2	3.52
54 B 2028	A	5.0	6.0	2500	2 3/8 x 3 1/2 x 2 1/4	1 3/4	4.24
54 B 3713	E	5.0*‡	3.0	2500	3 3/8 x 2 3/4 x 2 3/8	2 1/2	5.74
54 B 3714	D	5.0	15.0	2500	3 x 2 1/2 x 3	3	8.04
54 B 2320	D	5.0	10.0	2500	3 3/8 x 2 1/2 x 3	2 3/4	5.84
54 B 2321	D	5.0	21.0	2500	3 3/8 x 3 3/4 x 3 3/4	5	9.53
54 B 2322	E	5.0	30.0	2500	4 5/8 x 3 3/4 x 4	7 1/2	13.11
54 B 3715	A	6.3†	1.2	5000	2 3/4 x 4 x 1 1/8	1	3.32
54 B 3716	F	6.3*†	3.0	7000	3 1/8 x 3 3/4 x 2 3/4	2	6.01
54 B 3717	E	2(6.3)	3.0	1500	3 3/8 x 2 3/4 x 2 1/4	2 1/2	7.01
54 B 3719	E	6.3	1.75	1500	3 3/8 x 2 3/8 x 3 1/8	3 1/4	8.13
54 B 2323	A	6.3†	1.2	5000	2 x 3 1/4 x 1 1/2	1	2.95
54 B 2324	D	6.3‡	3.0	2500	3 3/8 x 2 3/4 x 2 3/8	2	4.86
54 B 2325	F	6.3	6.0	2000	3 3/8 x 3 1/2 x 2 1/2	2 1/4	4.13
54 B 2326	D	6.3*	20.0	2500	4 5/8 x 3 3/4 x 2 3/8	7 1/4	10.81
54 B 1416	A	6.3	0.6	1500	1 3/8 x 2 1/8 x 1 3/8	1/2	1.82
54 B 2030	A	6.3	1.0	1500	1 3/8 x 2 1/8 x 1 3/8	3/4	2.20
54 B 1419	A	6.3	1.2	3000	1 3/8 x 2 1/8 x 1 3/8	3/4	2.00
54 B 2031	A	6.3	3.0	2500	2 x 3 1/4 x 2 3/8	1 1/2	3.00
54 B 1477	E	6.3*‡	4.0	2500	3 3/8 x 2 3/4 x 2 3/8	2 3/4	5.71
54 B 4134	E	6.3	6.0	1500	3 3/8 x 2 3/8 x 2 3/4	2 3/4	6.96
54 B 1417	D	6.3	6.0	2500	3 3/8 x 2 3/4 x 2 3/8	2 1/2	5.61
54 B 1418	D	6.3*	10.0	2500	3 3/8 x 2 3/4 x 2 3/8	3 1/2	7.21
54 B 4135	E	6.3‡	20.0	2000	3 3/8 x 3 1/2 x 2 1/2	7	11.08
54 B 2327	D	7.5‡	4.0	2500	3 3/8 x 2 1/2 x 2 1/4	2 3/4	5.15
54 B 2328	D	7.5‡	8.0	2500	3 3/8 x 2 1/2 x 2 1/4	4 1/4	8.37
54 B 2329	D	10.0‡	4.0	2500	3 3/8 x 2 1/2 x 2 3/4	3 1/2	6.57
54 B 2330	D	10.0‡	8.0	2500	3 3/8 x 3 1/2 x 3	5	8.37
54 B 3720	D	10.0*‡	5.0	2000	3 x 2 1/2 x 4 1/4	3	5.30
54 B 3721	E	10.0	10.0	2000	3 3/8 x 3 1/2 x 3 3/8	5 3/4	9.58
54 B 3722	E	11.0*‡	10.0	2500	4 5/8 x 3 1/2 x 3 3/4	6 1/4	11.20
54 B 3723	CT at 12-11-10			pri-1500 sec-3000	4 1/8 x 3 1/2 x 3 1/2	6 1/2	14.41
54 B 3725	E	12.6	2.5	1500	3 1/2 x 2 1/8 x 3 1/8	3 3/4	8.45
54 B 4709	A	12.6	3.0	1500	2 3/8 x 3 1/2 x 2 3/8	1 3/4	4.83
54 B 4136	A	12.6	1.5	1500	2 x 3 1/4 x 2	1 1/2	3.88
54 B 1420	A	12.6	2.0	1500	2 1/4 x 3 1/2 x 2 1/4	1 1/2	3.52
54 B 4137	A	12.6	2.5	1500	2 1/4 x 3 1/2 x 2 1/4	1 3/4	4.78
54 B 4710	A	24.0	1.0	1500	2 3/4 x 4 x 2	1 3/4	4.28
54 B 1421	A	25.2†	1.0	1500	2 x 3 1/4 x 2 1/4	1 1/2	3.46
54 B 4140	A	25.2	2.0	1500	2 3/8 x 4 x 2 3/8	2 1/2	5.96
54 B 1476	A	26.5	0.6	3000	2 3/4 x 4 x 2	1 1/2	3.17
54 B 4145	A	26.8	1.0	1500	2 x 3 1/4 x 2 1/4	1 1/2	3.86

A STANDARD OUTPUT TRANSFORMERS

Couple plate of output tube to speaker voice coil. For class A amplifiers. †4.5% primary tap. *Fig. F. Shpg. wt. 3/4 lb.

Stock No.	Primary Imp.	mA	Sec. Imp.	Audio Watts	Size H x W x D	EACH
54 B 1401	2000	50	3.2	3	1 1/4 x 2 1/8 x 1 1/4	1.50
54 B 2065	2000	50	3.2	5	1 3/8 x 2 3/8 x 1 3/8	1.50
54 B 1445	2000	60	3.5	6	1 3/8 x 2 3/8 x 1 3/8	2.15
54 B 1402	2000	60	4	5	1 3/8 x 2 3/8 x 1 3/8	1.80
54 B 2063	2500	50	3.2	3	1 1/4 x 2 1/8 x 1 1/4	1.88
54 B 1400	4000	10	3.5	3	1 1/4 x 2 1/8 x 1 1/4	1.50
54 B 2064	5000	40	3.2	3	1 1/4 x 2 1/8 x 1 3/8	1.88
54 B 1403	5000	40	4	5	1 3/8 x 2 3/8 x 1 3/8	1.60
54 B 1446	*5000	40	6-8	10	2 3/8 x 2 3/8 x 1 7/8	2.51
54 B 1447	7000	30	4	5	1 3/8 x 2 3/8 x 1 3/8	1.70
54 B 2093	8000	20	3.2	3	1 1/4 x 2 1/8 x 1 3/8	1.50
54 B 1448	10,000	30	4	5	1 3/8 x 2 3/8 x 1 3/8	1.66
54 B 1449	25,000	5	4	5	1 3/8 x 2 3/8 x 1 3/8	1.98

UNIVERSAL OUTPUT TRANSFORMERS

CT primary, except *single-ended output. 6 taps on secondary. Match single-ended or push-pull operated tubes to voice coil of speaker.

Stock No.	Fig.	Primary Impedances	Watts	Mtg. Ctrs.	Wt., Lbs.	EACH
54 B 2023	B	2000-14,000 ohms	4	2"	1 1/2	2.56
54 B 2021	B	2000-14,000 ohms	3	2 3/8"	3/4	2.82
54 B 1452	C	2000-14,000 ohms	8	2"	3/4	3.19
54 B 2022	C	2000-14,000 ohms	18	2 3/8"	1 1/4	4.01
54 B 1453	B	6000-10,000 ohms	8	2 1/8"	1 1/4	3.60
54 B 1404	B	*7000-10,000 ohms	4	2"	1 1/2	1.88
54 B 1454	B	5000, 10K, 20K	15 mA	2 1/8"	1	4.30

FIXED-IMPEDANCE OUTPUT TRANSFORMERS

For a wide variety of audio applications. All have center-tapped primary for push-pull operation.

Stock No.	Fig.	Impedance, Ohms		Audio Watts	Mtg. Centers	Wt., Lbs.	EACH
		Primary	Secondary				
54 B 1457	A	4000	8/16/32	7½	3 1/8"	1¾	4.27
54 B 1455	E	6600	4/8/16/250/500	35	2"x2¼"	5¼	9.63
54 B 1456	A	25K	4	5	2"	1½	2.43

HIGH-FIDELITY PUSH-PULL OUTPUT TRANSFORMERS

For use in high-fidelity audio amplifiers. Screen taps on primary for ultra-linear operation, except *no screen tap. Frequency response flat from 15 to 35,000 Hz, except types without screen tap flat 20-20,000 Hz. Secondaries 4, 8, 16 ohms, except 18, 16.

Stock No.	Fig.	Watts	P-P Imp.	mA	Size H x W x D	Wt., Lbs.	EACH
54 B 2082	H	12	8000	60	3 3/4 x 3 3/4 x 3 1/4	3 1/2	11.13
54 B 2018	H	*18	8000	65	3 3/4 x 3 3/4 x 3 1/4	3 1/2	11.96
54 B 2019	G	30	6600	100	4 1/4 x 3 3/4 x 4 1/2	7	19.54
54 B 2024	E	12	8000	60	3 3/8 x 2 3/8 x 2 3/4	2 1/2	9.49
54 B 2058	A	*18	8000	65	2 5/8 x 4 x 2 1/2	2 1/4	7.49
54 B 2054	E	24	6600	75	3 3/8 x 3 1/2 x 3 3/8	6	15.96
54 B 2059	E	30	6600	100	3 3/8 x 3 1/2 x 4	6	16.65
54 B 2095	E	*150	5000	150	4 1/4 x 3 1/2 x 4	7	15.85
54 B 2397	E	*450	6600	125	4 1/4 x 3 1/2 x 4	7 1/4	15.85

OSCILLOSCOPE TRANSFORMERS

Pri. 117 V 60 Hz; *50-60 Hz. †2.5 V @ 2.2 A; or 6.3 V @ 0.6 A. †2.5 V @ 2.2 A.

Stock No.	Fig.	Plate Supply Volts AC	DC Volts	Rect.	Fil.	Mtg. Centers	Wt., Lbs.	EA.
54 B 3726	G	1550 halfwave	1.5	2.5	1.75	1 3/4 x 2 1/8	1 3/4	9.80
54 B 3727†	E	1800 halfwave	2.0	2.5	1.8	2 1/2 x 2 1/8	5	10.56
54 B 3728†	E	2400 halfwave	5.0	2.5	2.0	2 3/4 x 2 3/4	6 1/2	13.71

A INTERSTAGE AUDIO TRANSFORMERS

Specially built to high standards for quality, stability and performance. Provide a minimum amount of distortion. Maximum DC permissible in primary is 10 milliamperes except 130 milliamperes, \$40 milliamperes. Single plate to push-pull grid except Type marked with * single plate to single grid; †single or push-pull plate to push-pull grid; ‡ has 2 1/5-1/1 turns ratio to 1/2 secondary. †† has 3:1 turns ratio to 1/2 secondary. Mounting centers: 54 B 2062, 54 B 1415 and 54 B 1455 are 2"; 54 B 1460, 54 B 4711 and 54 B 4712 are 2 3/4"; 54 B 3983 is 2 1/2"; 54 B 1459 is 2 1/2". **Center-tapped secondaries.

Stock No.	Imp., Ohms	Turns Ratio	Size H x W x D	Wt., Lbs.	EACH
54 B 2062	*7K-20K	1:3	1 3/8 x 2 3/8 x 1 3/8	1 1/2	2.10
54 B 1415	†7K-15K	1:3	1 3/8 x 2 3/8 x 1 3/8	1 1/2	2.45
54 B 3983	†10K	1:3	2 x 3 1/2 x 1 7/8	1 1/2	3.30
54 B 1458	†10K	1:2	1 3/8 x 2 3/8 x 1 1/2	1 1/2	2.44
54 B 1459	†10K	1:3	2 x 3 1/2 x 2	1 1/2	3.71
54 B 1460	†10K CT	1:3	1 3/8 x 2 3/8 x 1 1/2	3/4	3.06
54 B 4711	†10K	1:1	1 3/8 x 2 3/8 x 1 3/8	3/4	2.44
54 B 4712	†10K	6.6K	†† 1 3/8 x 2 3/8 x 1 3/8	2 3/4	2.44

knight

INPUT TRANSFORMERS

OUTPUT TRANSFORMERS

INTERSTAGE TRANSFORMERS

A DRIVER TRANSFORMERS

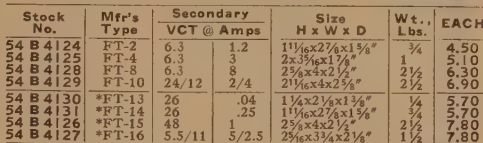
B POWER TRANSFORMERS WITH 117-VAC PRIMARIES

D AUDIO TRANSFORMER

UTC TRANSFORMERS AND INDUCTORS

FILAMENT and TRANSISTOR TRANSFORMERS

Industrial-type transformers (primary 117 volts, 60 Hz) with demonstrated reliability. All of the units listed below are low-temperature-rise, vacuum-sealed against humidity to prevent corrosion. *Transistor types with taps on primary to modify secondary nominal voltage from -6%, to +6%, or +12%.

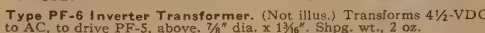


LS-33 HIGH-LEVEL MATCHING TRANSFORMER

Designed for portable, compact service, with neither dependability nor fidelity sacrificed. Has Hiperm-Alloy nickel-iron core and multiple-section, inter-leaved windings—extremely low hum pickup. Primary impedance: 50, 125, 200, 250, 333 and 500 600 ohms; secondary: 1.2, 2.5, 5, 7.5, 10, 15, 20, 30, 125, 200, 250, 333, 500 600 ohms. Max. level, 20 W. Response ± 1 db, 10-40,000 Hz. Die-cast case, $\frac{1}{4} \times \frac{3}{4} \times \frac{1}{4}$ in. of high-conductivity alloy. 54 B 2800 Shpg. wt., 8 lbs. 24.00



Miniaturized lightweight units for transistor-type photoflash supplies. For 115 VAC, or by inverting, portable battery operation.

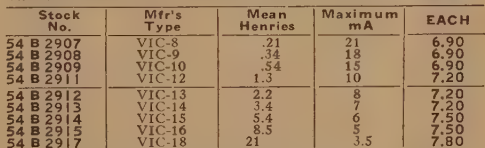


Type PF-7 Trigger Transformer. (Not illus.) Used with PF-5 and PF-6, above to trigger flash tubes. Use .25-mfd capacitor, discharging through tapped winding, gives 6 KV pulse. $\frac{1}{8}$ " dia. x $1\frac{1}{16}$ ". 11 oz.

Type PF-3 Standard Trigger Transformer. (Not illus.) Use with UTC Type PF-1 to trigger Sylvania type flash tubes. 15 KV peak. $\frac{7}{8}$ " diameter, 3" long. Shpg. wt., 6 oz.

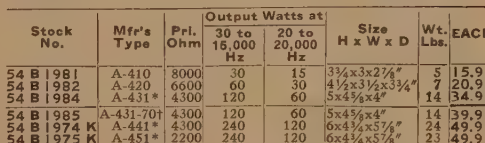
TYPE VIC VARIABLE INDUCTORS

These variable inductors offer a convenient approach to problems associated with tuned audio circuits. By adjusting a set-screw in the side of case, any inductance value of from -45% to +85% from the mean value is easily obtained. Range is covered in a 600° rotation with positive setting. Mounting centers on terminal board side are $1\frac{1}{2} \times 2\frac{1}{2}$ ", tapped for 4-40 screws. $1\frac{1}{2} \times 1\frac{1}{4} \times 1\frac{1}{16}$ ". 8 oz.



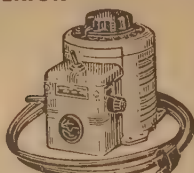
DYNACO HI-FI TRANSFORMERS

Excellent power handling and frequency response characteristics. Feature very low distortion. Para-coupled windings ensure accurately balanced coil with tight coupling between sections. Also has massive core of thin gauge steel. Virtually eliminates critical balancing of output tubes. A-441 has tertiary winding with taps for either screen or cathode connection. All others have screen taps on primary, 8 and 16-ohm secondaries, except *4, 8, 16 ohms. †4, 8, 16 ohms and 70.7 volts.



Variable and Fixed-Voltage Transformers

SUPERIOR VARIABLE AUTOTRANSFORMERS



- Boost or Reduce AC Line Voltage
- Toroidal Core with Rotating Brush Tap
- Zero Waveform Distortion

"Powerstat" variable transformers are excellent for use with radio and television sets, high-fidelity equipment, Amateur gear, and other electronic equipment. These transformers boost or reduce AC line voltage that is consistently low or consistently high. Maximum current ratings apply over full output voltage range. Toroidal core with rotating brush tap delivers adjustable voltage from zero to above input voltage. Output voltage has zero waveform distortion. Types 10B and 10B-40 are constructed with an "L" terminal, which allows connecting to limit output to applied voltage, and mounts behind panel. Types 116B and 3PN117B are designed for 110-120 V, 50-60 Hz AC. Types 10B and 10B-40 are designed for 60 Hz only. Sizes in table below. Types 10B and 10B-40, distance back of panel and diameter; Types 116B and 3PN117B, overall height and diameter. Types 116B and 3PN117B have on-off switch, line cord, plug, fuse, built-in AC receptacle.

Stock No.	Mfr's Type	Fig.	Output			Size	Wt., Lbs.	EACH
			Volts	A	KVA			
54 B 2536	10B	A	0-132	1.75	0.165	2 1/2 x 2 1/2 x 3 1/8"	2 1/2	10.00
54 B 1663	10B-40	A	0-40	7.0	0.28	2 1/2 x 2 1/2 x 3 1/8"	3 1/4	13.00
54 B 2525	116B	B	0-140	10.0	1.4	5 1/2 x 4 5/8"	12	28.00
54 B 1666	3PN117B	B	0-120	12.0	1.4	7 1/2 x 5 1/2 x 6 1/2"	12	36.00

TERADO 110-AC LINE VOLTAGE ADJUSTERS



C MODEL 50-172 "SATURN" ADJUSTER. Changes AC line input voltage by 25 volts above or below normal 110-120 VAC. Built-in AC voltmeter for accurate voltage control. Capacity, 300 watts continuous; 500 watts intermittent. Controls speed of power tools up to 1/2 hp. (Decreases speed without noticeable power torque loss). Dims or brightens incandescent lamps. Corrects low or high AC line to normal for precision equipment. 5 1/2 x 3 x 2 1/4". Shpg. wt., 3 lbs. 21 B 4449 14.65

D Model 50-173 "Jupiter" Adjuster. Increases or decreases speed of electric hand tools, such as drills, saws, and others operating from 110-120 volt AC line. Changes regular AC line voltage 20 volts above normal, or lowers voltage in seven steps to 50 volts. Capacity, 300 watts continuous; 500 watts intermittent. Overall size, 5 1/2 x 3 x 2 1/4". Shpg. wt., 3 lbs. 21 B 4450 12.63

D Model 50-203 "Planet" Adjuster. Designed to increase the efficiency of light-duty motorized equipment, hi-fi, and portable TV. Output ranges from 95 to 135 volts with normal 110-120 VAC input. Capacity, 150 watts continuous; 300 watts intermittent. Overall size, 5 1/2 x 3 x 2 1/4". Shpg. wt., 2 lbs. 21 B 4451 7.80

D Model 50-204 "Polaris" Adjuster. Similar to "Planet" adjuster above, but designed for higher wattage equipment operating from 110-120 VAC. Output adjustable from 95 to 135 V. Capacity, 300 watts continuous; 500 W intermittent. 5 1/2 x 3 x 2 1/4". 3 lbs. 21 B 4452 9.20

G. E. "VOLT-PAC" VARIABLE TRANSFORMER



- High Current Capacity for Its Physical Size
- Positive-Contact Solid Carbon Brush
- Exclusive Quick-Transfer Current Collector

TYPE 9T92Y1. Manually operated variable transformer with high current capacity for its physical size. Features even-flow heat sink and ring. Grain-oriented solid-carbon brush provides positive contact and low resistance. Specially coated brush track, and corrosion-resistant parts throughout. Solid-carbon grain-oriented brush construction reduces circuit current, lower brush temperature and improves performance. Input of 120 volts gives 0 to 132 volt output at 2.5 amps, 60 Hz. When used on 50 Hz, output is limited to rated input voltage. Mounts on panels up to 3/8" thick. Terminal board designed for push-on lugs or solder connections. Imprinted with connections for line and load. Requires 2 1/2" behind panel for installation on rack or equipment. Size, 3 1/2 x 2 1/2 x 3". Wt., 3 lbs. 54 B 3099 10.00

ACME TYPE T8394M VOLTAGE ADJUSTER



Constant duty, tapped-winding transformer. For applications where line voltage is below or above normal for long periods of time, and where equipment in use requires constant line voltage. Rated at 500 watts. Correction to normal voltage is made by manually adjusting the 7-position regulating switch to the proper adjustment position, until built-in voltmeter reads 115-volt output. Regulating input switch positions receptacle for connecting to available circuit. Complete with 8-ft. line cord. Overall size, 4 1/2 x 4 x 5". Shpg. wt., 6 lbs. 54 B 2514 13.40

for 95, 100, 105, 110, 115, 120 and 125 volt 50-60 Hz. Has secondary receptacle for connecting to available circuit. Complete with 8-ft. line cord. Overall size, 4 1/2 x 4 x 5". Shpg. wt., 6 lbs. 54 B 2514 13.40

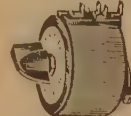
ACME TYPE T10306 VOLTAGE ADJUSTER



Constant-duty 150-watt step-up or step-down transformer to correct line voltage. Built-in voltmeter indicates secondary output voltage. Primary winding is tapped for 65, 75, 90, 100, 115, 130 and 145 volts, 50-60 Hz. Secondary output at any primary setting is 115 volts. Non-aging silicon steel laminations. Coils are impregnated with high dielectric insulating material. Rotary tap switch adjusts input for 115 volts output. With 8-ft. cord, plug and output receptacle. Overall size, 4 1/2 x 4 1/2 x 4 1/2". Mounting center, 5 1/2 x 3 1/4". Shpg. wt., 7 lbs. 54 B 2501 20.80

put. With 8-ft. cord, plug and output receptacle. Overall size, 4 1/2 x 4 1/2 x 4 1/2". Mounting center, 5 1/2 x 3 1/4". Shpg. wt., 7 lbs. 54 B 2501 20.80

OHMITE SMALL VARIABLE TRANSFORMERS



Three-bushing-mounted variable transformers offer six ratings from 1 to 3 amps. Frequency ranges: 60 to over 400 Hz on all models. Exclusive adjustable shaft makes it possible to extend shaft from either end or substitute a longer one. Replaceable snap-in brush contact with heat sink. Dia.: 2 1/4". Length: VT1, 1 1/4"; VT02, 2 3/4"; VT3, 2 1/4".

Stock No.	Mfr's Type	Max. Amps	Max V Input	Output Volts	Wt., Lbs.	EACH
54 B 3800	VT1	1.0	120	0-120/132	1 1/2	8.00
54 B 3801	VT1N	1.2	120	0-120	1 1/2	8.00
54 B 3802	VT02	1.75	120	0-120/132	2 1/4	9.00
54 B 3803	VT02N	2.0	120	0-120	2 1/4	9.00
54 B 3804	VT3	2.6	120	0-120/132	3	10.50
54 B 3805	VT3N	3.0	120	0-120	3	10.50
54 B 3806	6507	Brush Contact Assembly			1 oz.	1.00

SOLA ELECTRIC BLACK-AND-WHITE OR COLOR TV "TELEVOLT" VOLTAGE REGULATORS



Television voltage regulator automatically compensates for voltage variations in AC line voltage, that cause jitter, flicker and distortion in black-and-white television receivers. Requires no installation. Simply plug into AC outlet, and then plug your television receiver into the receptacle on the unit. Input voltage range is 95-130 volts. Voltage regulation to $\pm 3\%$ of the nominal input voltage. Unit fits neatly into cabinet on most console-type television receivers.

54 B 1194 K. Type 72103. 180-voltampere output capacity. For television receivers with 105-170 watt input. Shpg. wt., 20 lbs. 41.04
54 B 1195 K. Type 72104. 300-voltampere output capacity. For television receivers with 165-285 watt input. Shpg. wt., 27 lbs. 44.28

TYPE 72107. Voltage regulator specifically designed to improve reception on all color TV receivers rated 240-375 watts input, currently available on the market. Regulator automatically compensates for voltage variations that cause jitter, flicker, distortion and color changes. Unit has the same mechanical and electrical features as the model described at left, but has a 400-voltampere capacity. Easily handles most available color television receivers which are rated above 240-voltampere input. Circuit utilizes "Harmonic-Free" principle which delivers a good undistorted sine-wave output necessary for voltage-sensitive circuits in color television receivers. Input voltage range is 95-130 volts. Shpg. wt., 32 lbs. 54 B 1196 K 64.80

Autotransformers, TV Replacement Transformers

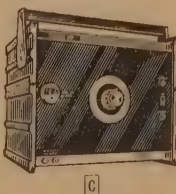
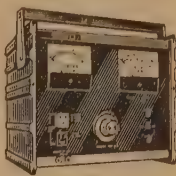
STACO CLASSROOM AUTOTRANSFORMERS

Variable-Voltage for Classroom and Laboratory Uses
Operate with Output Voltage 10%-17% Above Input
Have Conveniently Located Controls and Meters

- Diode-Protected Meter Movements Accurate Within 2%
- Positive Stops Are Built Into Control Knobs
- Compact Enclosures Include Carrying Handle

few Staco Variable-Voltage Autotransformers combine the best in electrical and construction principles for long, efficient operation in the classroom. Safe and tamperproof—designed with student curiosity in mind. Positive stops on all control knobs prevent internal damage to components. Enclosures have a hemical finish that assures permanent legibility of the dials and legends. Models are available in a wide variety of styles for every classroom application, with or without ammeter and voltmeter. Convenience outlets on most units add versatility to the work area. Can be used near closed-circuit TV or broadcast equipment without interference. All controls and meters are located for easy-to-read, accurate measurement. Circuit breakers used where possible to avoid use replacement. Pilot lights included with every model. Rated for continuous operation at output voltages 10% to 17% over input voltage. Efficiency as high as 98%, with better than 5% voltage regulation at maximum output voltage and rated

current. All models have the finest silicon steel cores available and provide continuous voltage control over a wide range. Meter movements are accurate within 2% and are diode-protected against burnout. Insulated banana jacks are provided for added safety. Accurately calibrated dials are protected by the positive stops on all control knobs. New features include the insulated jacks, new brush design, and epoxy-coated transformers. Easy to use—a single dial controls output voltage; pilot light shows when unit is in use. Voltage is continuously adjustable from zero to the output voltage indicated in table below. High kVA ratings for efficiency. Models are available for input voltage of either 120 volts AC or 240 volts AC, with one or two output ranges. Type E501VA includes both a voltmeter and ammeter. All have 120-volt convenience outlet except $\frac{1}{2}$ (Mr's Types E1020, E1710 and E1720). For 50-60 Hz AC operation, except $\frac{1}{2}$ (Mr's Type E1210), 60 Hz AC only. See table below for ratings.



WIDE RANGE OF OUTPUTS TO MEET VIRTUALLY EVERY CLASSROOM REQUIREMENT

Stock No.	Mr's Type	Fig.	AC Input Volts	AC Output Volts	Amps	kVA	Size, Inches	Wt., Lbs.	EACH
54 B 1600	E171	A	120	0-132	1.75	0.23	$7\frac{1}{2} \times 9 \times 9\frac{1}{2}$	9	20.75
54 B 1601	E37	A	120	0-120/0-140	3.75	0.52	$7\frac{1}{2} \times 11\frac{1}{2} \times 9\frac{1}{2}$	12	24.50
54 B 1602 X	E501VA	B	120	0-120/0-140	5	0.7	$11\frac{1}{2} \times 12\frac{1}{2} \times 5\frac{1}{2}$	19	89.50
54 B 1603 X	E1010	A	120	0-120/0-140	10	1.4	$7\frac{1}{2} \times 11\frac{1}{2} \times 5\frac{1}{2}$	19	38.50
54 B 1606 X	E1210 $\frac{1}{2}$	A	120	0-120	12	1.44	$7\frac{1}{2} \times 11\frac{1}{2} \times 5\frac{1}{2}$	20	45.50
54 B 1607 X	E1020 $\frac{1}{2}$	A	240	0-280	3.5	.98	$7\frac{1}{2} \times 11\frac{1}{2} \times 5\frac{1}{2}$	19	46.00
54 B 1608 K	E1710 $\frac{1}{2}$	C	120	0-140	17	2.38	$11\frac{1}{2} \times 14\frac{1}{2} \times 5\frac{1}{2}$	35	80.00
54 B 1609 K	E1720 $\frac{1}{2}$	C	240	0-280	10	2.8	$11\frac{1}{2} \times 14\frac{1}{2} \times 5\frac{1}{2}$	35	82.00

STANCOR ORIGINAL REPLACEMENT TV HORIZONTAL OUTPUT TRANSFORMERS

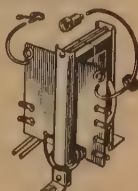


- For Replacement in Standard TV Receivers
- Designed to Provide Like-New Performance
- Constructed of Highest-Quality Materials

Top-quality flyback transformers for replacement in standard television receivers. Every transformer faithfully duplicates electrical characteristics of the original unit. Manufacturer's own specifications throughout; performance is identical in every respect. Minimum

- Minimum Alteration of Chassis or Circuit
- Same Characteristics As Original Unit
- Built for Easiest Possible Installation

alteration of existing circuit or chassis is required; easy installation is assured. Stancor's high degree of quality material and production control insures the utmost in product reliability at the lowest possible cost. Av. shpg. wt. per transformer, 1 lb.



Stock No.	Mfr	Type	Orig. Mfr's Part No.	EACH
54 B 4211	Admiral	A8113/HO-162	79C 30-1-3	11.10
54 B 3459	Admiral	A8292/HO-242	79D65-1	8.94
54 B 1204	Admiral	HO-301	79D65-2-4	9.84
54 B 4492	Admiral	HO-351	79E77-11/14/15	9.00
54 B 1566	Capchart	A8285/HO-235	850220-B-1; 850220-D-1; 850285-D-1	9.90
54 B 4332	Columbia	A8231/HO-180	10136B/37/38/59	11.10
54 B 4208	Crosley	A8263	158481-1/2/-5	8.94
54 B 4333	Emerson	A8232/HO-181	738067-73-75-82-83-85-86	9.02
54 B 4446	G.E.	A8130/HO-159	77 J1	10.90
54 B 3471	G.E.	A8290/HO-240	KTO-166-5	8.94
54 B 3470	G.E.	HO-254	RTO-179-183-190	8.94
54 B 1568	G.E.	HO-377	W7714-42, 44, 45	9.90
54 B 1253	Magnavox	HO-331	32005-1/61-1/3	9.62
54 B 1254	Magnavox	HO-332	360580-1/604-1	8.12
54 B 3972	Motorola	HO-281	24K730902/03/04	13.04

Stock No.	Mfr	Type	Orig. Mfr's Part No.	EACH
54 B 3973	Motorola	HO-282	24C76487; 24K738699	11.99
54 B 1213	Motorola	HO-293	24C736488	12.00
54 B 1184	Motorola	HO-344	24K748397-W	9.90
54 B 4559	Muntz	A8132/HO-161	TO-0031	10.58
54 B 1569	Olympic	HO-315	TR 1599 1to5; TR278737-2	9.00
54 B 3438	Philco	HO-277	32-8465 2; 32-8509/2	11.10
54 B 3437	Philco	HO-276	32-8624/1	11.76
54 B 4485	Philco	HO-345	32-8855-1/2/3/5/7/9	10.92
54 B 4486	Philco	HO-346	32-8830-1/2/3	7.29
54 B 3969	RCA	A8252/HO 202	225T1	9.84
54 B 4332	Silvertone	A8231/HO 180	10136B/37/59	11.10
54 B 3974	Spartan	HO-284	PC-700-10/6, -12/F	8.12
54 B 3443	Sylvania	HO-259	241-001	8.10
54 B 4294	West'ing	A8236/HO-185	V115484-1/2/3/4	8.02
54 B 1563	Zenith	HO-380	S58350, S65352, S66717, S68398	11.90

DEFLECTION YOKES

For 70° deflection angle picture tubes except, $\frac{1}{2}$ 110°. Have ferrite cores with cosine-wound windings. All have networks and extra-long leads where needed. Av. shpg. wt. per yoke, $1\frac{1}{2}$ lbs.



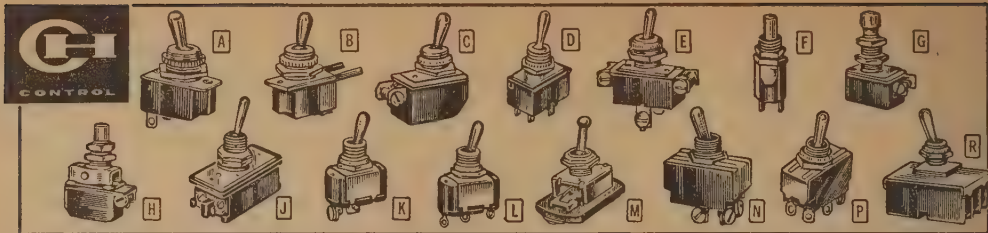
Stock No.	Mfr's Type	Horizontal	Vertical	EACH
54 B 4539	DY-8A	8.5 mH, 14.5 ohms	50 mH, 52.5 ohms	10.24
54 B 4590	DY-9A	13.5 mH, 17.5 ohms	50 mH, 53.5 ohms	10.24
54 B 4589	DY-10A	30.0 mH, 45 ohms	3.5 mH, 4.5 ohms	10.89
54 B 4596	DY-11A	20 mH, 31 ohms	5.0 mH, 5.0 ohms	10.24
54 B 3481	DY-13A $\frac{1}{2}$	12.5 mH, 15 ohms	48 mH, 52 ohms	11.42
54 B 1570	DY-26A $\frac{1}{2}$	19.0 mH, 34 ohms	11.5 mH, 16.5 ohms	12.55
54 B 1574	DY-51A $\frac{1}{2}$	18.6 mH, 38 ohms	15 mH, 17.2 ohms	13.20

COLOR TV REPLACEMENT COMPONENTS

DY-90AC: Deflection Yoke; 12 mH, horiz., 39 mH vert; Res; 6.5 ohms horiz., 24 ohms vert. HO-600C: Flyback trans. HO-601C: Horiz. output trans. P 9000C: Power trans. 117 V 60 Hz. VO-700C: Vert. output trans; 10:1 primary/secondary. Primary impedance, 7.5K $\pm$ 32 mA, DC. All fit other models, besides those listed below.

Stock No.	Mfr's Type	Orig. Mfr's Type No.	Wt., Lbs.	EACH
54 B 1590	DY-90AC	ZEN-95-1794; 95-1794	12	29.70
54 B 1589	HO-600C	RCA-112830	$1\frac{1}{2}$	14.40
54 B 1188	HO-601C	GE-906152-501	5	13.50
54 B 1591	P-9000C	RCA-113390	2	20.91
54 B 1592	VO-700C	MAG-961415-1	5	5.15

Cutler-Hammer Switches



AC-DC PUSHBUTTON AND TOGGLE SWITCHES

LIGHT-DUTY TYPES

Convenient one-hole-mounting switches for installation on flat surfaces. Phenolic case, $1\frac{1}{2}$ " dia. threaded stem, $1\frac{1}{2}$ " stem length, except $\frac{1}{4}$ " .16" wire leads, $\frac{1}{2}$ " screw terminals—others solder lug terminals. *U.L. Recog., C.S.A. Listed. Av. wt., 3 oz.

SPST					
Stock No.	Mfr's Type	Fig.	Amperes 125V 250V	EACH	
56 B 4527 8280K14*	A	.....	3	.63	
56 B 4500 8280K16	A	.....	3	.63	
56 B 4784 8280K16†	A	.....	3	.76	
56 B 4786 8295K8†	C	.....	3	.76	
56 B 4508 8381K8	C	6	3	.72	
56 B 4789 8391K8†	B	6	3	.85	
56 B 4791 8396K8†	C	6	3	.85	

SPDT					
Stock No.	Mfr's Type	Fig.	Amperes 125V 250V	EACH	
56 B 4528 8282K12*	D	3	1	.79	
56 B 4501 8282K14	D	3	1	.79	

DPST					
Stock No.	Mfr's Type	Fig.	Amperes 125V 250V	EACH	
56 B 4529 8360K6*	D	.....	3	1.14	
56 B 4502 8360K7	D	.....	3	1.14	
56 B 4792 8370K7†	D	6	3	1.22	
56 B 4793 8372K7†	D	6	3	1.50	

DPDT					
Stock No.	Mfr's Type	Fig.	Amperes 125V 250V	EACH	
56 B 4530 8363K6†	D	.....	3	1.30	
56 B 4503 8363K7	D	.....	3	1.30	
56 B 5943 8365K7†	E	.....	3	1.72	
56 B 4632 8373K7†	D	6	3	1.40	
56 B 4795 8375K7†	E	6	3	1.81	

PUSHBUTTON AC-DC TYPES

Momentary-contact. For controlling current by opening or closing of a door—i.e., operate lights in refrigerators, closets, etc. Have solder lugs except *screw-type. Black button, except $\frac{1}{4}$ " metal button. $\frac{1}{2}$ " push-pull type. *U.L. Recog. Av. wt., 3 oz.

.75 Amp @ 125 V—25 Amp @ 250 V					
Stock No.	Mfr's Type	Fig.	Action	Lght. In.	E.A.
56 B 5987 8411K12*	F	SPST n.o.	$1\frac{1}{2}$ "	.48	
56 B 4548 8411K11	F	SPST n.o.	$1\frac{1}{2}$ "	.48	
56 B 4631 8411K13	F	SPST n.o.	$1\frac{1}{2}$ "	.48	
56 B 5988 8411K17*	F	SPST n.c.	$1\frac{1}{2}$ "	.36	
56 B 4547 8411K8	F	SPST n.o.	$1\frac{1}{2}$ "	.31	

3 Amps @ 125 V—1 Amp @ 250 VAC					
Stock No.	Mfr's Type	Fig.	Action	Lght. In.	E.A.
56 B 4549 8440K2	F	SPST n.o.	$1\frac{1}{2}$ "	.87	
56 B 4541 8440K3*	F	SPST n.o.	$1\frac{1}{2}$ "	1.01	

6 Amps @ 125 V—3 Amps @ 250 V					
Stock No.	Mfr's Type	Fig.	Action	Lght. In.	E.A.
56 B 4515 7190K1*	H	SPST n.o.	$\frac{1}{2}$ "	1.16	
56 B 4691 7196K1*	H	SPST n.o.	$\frac{1}{2}$ "	1.28	
56 B 4518 7199K2	H	DPDT	$\frac{1}{2}$ "	2.08	
56 B 4519 7208K4*	G	SPST	$\frac{1}{4}$ "	.99	
56 B 3828 8442K4†	F	SPST n.o.	$1\frac{1}{2}$ "	.96	

15 Amps @ 125 V—10 Amps @ 250 VAC					
Stock No.	Mfr's Type	Fig.	Action	Lght. In.	E.A.
56 B 3829 8444K4*	F	SPST n.o.	$1\frac{1}{2}$ "	1.03	
56 B 5538 8448K2*	F	DPST n.o.	$1\frac{1}{2}$ "	1.48	



ON-OFF PLATE

Type 827-228F3. Designed to fit slot in threaded stem of toggle switches. Mounts vertically. Shpg. wt. for 10, 2 oz.

56 B 5671.....Each .04

AC-DC LIGHT-DUTY TYPES—PLASTIC

Rugged, all-plastic construction for resistance to moisture. Have maximum insulation for added safety. Stem operating. Solder-lug terminals; $1\frac{1}{2}$ " stem length. *U.L. Recog., C.S.A. Listed. Av. wt., 3 oz.

SPST					
Stock No.	Mfr's Type	Fig.	Amperes 125V 250V	EACH	
56 B 5663 8280K20	A	.....	3	.63	
56 B 5664 8281K10	A	6	3	.72	

SPDT					
Stock No.	Mfr's Type	Fig.	Amperes 125V 250V	EACH	
56 B 5665 8282K18	D	3	1	.79	

DPST					
Stock No.	Mfr's Type	Fig.	Amperes 125V 250V	EACH	
56 B 5666 8360K12	D	.....	3	1.14	

DPDT					
Stock No.	Mfr's Type	Fig.	Amperes 125V 250V	EACH	
56 B 5668 8373K12	D	6	3	1.40	

HEAVY-DUTY AC-DC TYPES

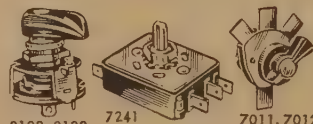
For control of moderate horsepower motors, etc. Have screw terminals; $1\frac{1}{2}$ " threaded stem and length. *U.L., except 8825K5 (Fig. B), which is JAN S-23; *rated 20 amps @ 28 VDC, 3 oz.

DPST					
Stock No.	Mfr's Type	Fig.	Amperes 125V 250V	EACH	
56 B 4545 7320K3	16	8	1.27		
56 B 4516 7360K8	20	10	2.19		
56 B 4517 7402K4	$1\frac{1}{2}$ hp	20	2.94		

SPST					
Stock No.	Mfr's Type	Fig.	Amperes 125V 250V	EACH	
56 B 4520 7321K3	16	8	1.27		
56 B 4714 7361K5	20	10	2.19		

DPDT					
Stock No.	Mfr's Type	Fig.	Amperes 125V 250V	EACH	
56 B 5669 8680K2	.....	5	3.79		
56 B 4715 8690K2	15	10	4.59		
56 B 4555 8825K5	*20	10	1.48		

ROTARY AC-DC AND AC SWITCHES



For fans, air conditioners, etc. Types 7011K1 and 7012K4 are AC-DC; have screw terminals; $\frac{3}{8}$ " stem. Types 8122K4 and 8123K4 are for AC; have solder-lug terminals; $\frac{3}{8}$ " stem. 7241K2 is for AC; has "quick connect" $\frac{1}{4}$ " terminals; $\frac{3}{8}$ " stem length. *U.L. Recog., C.S.A. Listed. Av. shpg. wt., 6 oz.

Stock No.	Mfr's Type	Action	Amperes 125V 250V	E.A.
56 B 5658 7011K1	2 on, 1 off	5	2	1.34
56 B 5659 7012K4	3 on, 1 off	5	2	1.38
56 B 5660 8122K4	2 on, 1 off	3	.....	.53
56 B 5661 8123K4	3 on, 1 off	3	.....	.58
56 B 5662 7241K2	DPDT	1 hp	15	1.57

AC TOGGLE SWITCHES

LIGHT-DUTY TYPES

Slow make and break switches rated 6 amps @ 125 volts and 3 amps @ 250 volts, except Type 7140K6, 3 amps @ 125 volts. *Center-off positions. Have threaded stem diameter of $1\frac{1}{2}$ "; stem length, $1\frac{1}{2}$ ", except $1\frac{1}{4}$ ". Solder terminals, except $\frac{1}{2}$ " screw terminals. *U.L. Recog. Av. shpg. wt., 3 oz.

Stock No.	Mfr's Type	Fig.	Action	EACH
56 B 4640	7580K4†	K	SPST	.63
56 B 4641	7580K6	K	SPST	.55
56 B 4522	7140K6†	M	SPDT	.63
56 B 4642	7581K4*	L	SPDT	.72
56 B 4643	7581K6*	L	SPDT	.59
56 B 4644	7582K4†	L	SPDT	.72
56 B 4645	7582K6	L	SPDT	.59
56 B 4646	7590K4†	N	DPST	.89
56 B 4647	7590K6	N	DPST	.79
56 B 4648	7591K4*	P	DPDT	1.14
56 B 4649	7591K6*	P	DPDT	.88
56 B 4689	7592K4†	P	DPDT	1.14
56 B 4690	7592K6	P	DPDT	.88

STANDARD-DUTY TYPES

For appliances, instruments, small motor-driven devices. Rated 10 A at 250 V and 15 A at 125 VAC. *Center-off. $1\frac{1}{2}$ " threaded stem, $1\frac{1}{2}$ " long. †Screw terminals. ‡Solder terminals. WT., 3 oz.

Stock No.	Mfr's Type	Fig.	Action	EACH
56 B 4591	7500K14†	K	SPST	.72
56 B 4534	7501K13†	K	SPST	.63
56 B 4592	7502K13*†	L	SPDT	.85
56 B 4796	7503K13*†	L	SPDT	.72
56 B 4593	7504K4†	L	SPDT	.85
56 B 4536	7505K4†	L	SPDT	.72
56 B 4594	7506K5†	N	DPST	1.14
56 B 4537	7561K4†	N	DPST	.97
56 B 4596	7562K4*†	P	DPDT	1.41
56 B 4539	7563K4*†	P	DPDT	1.14
56 B 4595	7564K6†	P	DPDT	1.41
56 B 4538	7565K5†	P	DPDT	1.14
56 B 4543	7011K2†	R	3PST	1.98
56 B 4523	7013K2*†	R	3PST	2.44
56 B 4798	7015K2†	R	3PST	2.44

"ROCKETTE" APPLIANCE SWITCHES

Actuator is of molded white nylon, $1\frac{1}{4}$ " x $\frac{1}{2}$ " x $1\frac{1}{2}$ ", including flanges and terminals. Quick-connect "Faston" terminals, except *screw. All AC 2-position except center-off. *U.L. Recog. 3 oz.

6 Amps @ 125 V—3 Amps @ 250 V				
Stock No.	Type	Action	EACH	
56 B 5700 8134K21A1M52	SPST		.60	
56 B 5702 8134K20A1M52	SPDT†		.66	
56 B 5707 8132K21E6M52	DPST		.91	
56 B 5709 8132K20E6M52	DPDT†		.99	

15 Amps @ 125 V—10 Amps @ 250 V				
Stock No.	Type	Action	EACH	
56 B 5699 8144K21A1M52	SPST		.70	
56 B 5339 8144K21A1M50†	SPST		.79	
56 B 5704 8144K20A1M52	SPDT†		.79	
56 B 5718 8142K21E6M52*	DPST		1.08	
56 B 5540 8142K21E6M50	DPST		1.24	
56 B 5712 8142K20E6M52	DPDT†		1.24	

Rotary, Pushbutton, Slide, Snap and Knife Switches

GRAYHILL MINIATURE SWITCHES

PUSHBUTTON SWITCHES

Rugged, momentary contact, pushbutton switches with solder-lug type terminals. Normally open types (indicated by N.O. in table) have red buttons. Normally closed types (indicated by N.C. in table) have black buttons.



SERIES 23

Miniature, over 500,000 operations. Shpg. wt., 2 oz.

Stock No.	Mfr's Type	Action	Amps at 115 VAC	Size L x Dia.	Mtg. Hole	EACH
56 B 4970	23-1	SPST N.O.	1/4	1 1/2 x 1/2"	2 1/4"	1.05

SERIES 30

Subminiature, over 1 million operations. Wt., 2 oz.

56 B 4967	30-1	SPST N.O.	1	1 1/8 x 3/8"	1 7/8"	.95
56 B 4966	30-2	SPST N.C.	1	1 1/8 x 3/8"	1 7/8"	.95

SERIES 35

Miniature, over 100,000 operations. Wt., 3 oz.

56 B 4964	35-1	DPST N.O.	1/2	1 7/8 x 5/8"	3 1/4"	1.30
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SERIES 39

Ultraminiature, over 1 million operations. Wt., 2 oz.

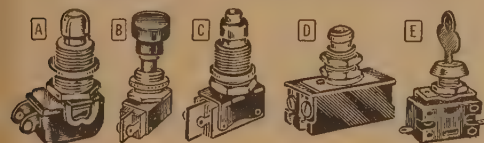
56 B 4968	39-1	SPST N.O.	1/2	3/8 x 1/4"	1 1/4"	1.15
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SERIES 4000

Silent-Action, over 100,000 operations. Wt., 3 oz.

56 B 4870	4001	SPST N.O.	1	1 1/2 x 3/4"	3 1/4"	.90
56 B 4871	4002	SPST N.C.	1	1 1/2 x 3/4"	3 1/4"	.90

ARROW-HART & HEGEMAN SWITCHES



PUSHBUTTON SWITCHES

Momentary-contact types except *push-on, push-off. All for 125 V AC-DC, except †AC only. Have 1/32" dia. shanks; 3/16" long, except Type 80630, 7/16" long. Have solder lug terminals, except ‡ screw-type. 3 oz.

Stock No.	Mfr's Type	Fig.	Action	Button Color	Amps	EACH
56 B 4159	3391-GL†	B	SPST N.O.	Black	1	.88
56 B 3830	3391-GL†	B	SPST N.O.	Red	1	.88
56 B 4124	3392-AE†	B	SP2 N.C.	Black	1	1.08
56 B 4129	3392-AE†	B	SP2 N.C.	Red	1	1.08
56 B 3846	80541-E†	A	SPST N.O.	Black	3	.88
56 B 3847	80541-ER†	A	SPST N.O.	Red	3	.88
56 B 4152	80630‡	D	DPST N.O.	Nickel	6	1.87
56 B 4160	86710	C	SPST*	Nickel	3	1.12
56 B 4161	86710-C	B	SPST*	Red	3	1.33
56 B 4162	86710-C	B	SPST*	Black	3	1.33
56 B 4163	80863-R	D	DPST	Nickel	8	1.77
56 B 4187	3599-GF	D	DPDT	Red	3	2.19
56 B 4188	3599-GF	D	DPDT	Black	3	2.19

LOCK SWITCHES

E Type 8715-L. For use on power tools, appliances, etc. SPST contacts, rated 3 amps @ 250 volts; 6 amps @ 125 volts. Sleeve diameter, 1/32". Fits panels to 1/2" thick. 1 1/4 x 2 1/2 x 3/32". Switch must be open to remove key. Shpg. wt., 4 oz.

56 B 4156.....1.94

56 B 4128. Extra Key. For above. Wt., 1 oz.....1.18

E Type 8715-LE. Same as 8715-L switch above, but key is removable in open or closed position. Wt., 4 oz.

56 B 4158.....1.94

56 B 3876. Extra Key. For above. Wt., 1 oz.....1.18

TYPE 41047 ROTARY SWITCH

Designed for replacement applications in lamps and other medium current AC-DC appliances. SPST action. Rated 3 amps at 125 V; 1 amp at 250 V. Has 6" leads for easy installation. 1/8" diameter, with 3/16" shank. Shpg. wt., 2 oz.

56 B 4165......42

ACRO SNAP-ACTION SWITCHES

LIGHT-PRESSURE SWITCHES



Miniature single-pole, double-throw switches for a variety of applications. Perfect for jobs where space is limited. Also when "pre-travel" distance, weight, or operating force are critical. Type 1CMD1-2AXX-A22 has a flat leaf actuator; Type 2CMD1-2AXX-A24 a wire leaf actuator; all others are basic pin plunger types.

Operating force for 1MD1-1A, 3-6 oz.; 2MD3-1A, 6-10 oz.; 1CMD1-2AXX, 20-27 gr.; 2CMD1-2AXX, 33-44 gr.; 1CMD1-2AXX-A22, 2.5 gr.; 2CMD1-2AXX-A24, 4 gr. Pre-travel for 1MD1-1A, 2MD3-1A, 1/32"; 1CMD1-2AXX, 2CM1-2AXX, 0.040". Amp ratings for 125-250 volts AC are 3 amps except *10 amps. U.L. Component Program-Recognized. Shock resistant. Solder terminals. Av., 4 oz.

Stock No.	Mfr's Type	Fig.	Basic Switch Size	EACH
56 B 5009	1MD1-1A*	G	1 5/8 x 3/32 x 3/16"	1.45 1.31
56 B 5019	2MD3-1A*	H	3/8 x 3/32 x 3/16"	1.45 1.31
56 B 5020	1CMD1-2AXX	H	1 5/8 x 3/32 x 3/16"	1.45 1.31
56 B 5021	2CMD1-2AXX	H	1 5/8 x 3/32 x 3/16"	1.45 1.31
56 B 5024	1CMD1-2AXX-A22	K	3/32 x 3/32 x 1/16"	1.75 1.58
56 B 5030	2CMD1-2AXX-A24	J	2 3/32 x 3/32 x 1/16"	1.75 1.58

B SERIES SWITCHES WITH MICRO EQUIVALENTS



Long-life replacements for micro-switch types shown in table below. All are SPDT with step base design and screw terminals, except Type BRD2-SL, which has flat base and solder terminals. Contacts rated 1/4 HP @ 125 V AC, 1/4 HP @ 250 V AC; and 0.5 amp at 120 volts DC. Av. shpg. wt., 4 oz.

Stock No.	Mfr's Type	Micro Equiv.	Fig.	Basic Size	EACH
56 B 3968	BRD2-SL	BZ-2RL	L	2 1/32 x 1 1/2 x 1 1/16"	1.65
56 B 3969	BRD2-1A-1S	BZ-2R-A2	M	1 1/16 x 3/32 x 1 1/16"	1.65
56 B 3970	BRD2-2M-1S	BZ-2RL-A2	N	2 1/32 x 1 1/2 x 1 1/16"	2.25
56 B 3972	BRD2-7O-1S	BZ-2RD-A2	P	1 1/16 x 1 1/2 x 1 1/16"	1.95
56 B 3973	BRD2-1P-1S	BZ-2RQ1-A2	R	1 1/2 x 1 1/2 x 1 1/16"	3.55
56 B 3971	BRD2-SL-1S	BZ-2RL-A2	S	2 1/32 x 1 1/2 x 1 1/16"	1.75

SNAP-ACTION PUSHBUTTON SWITCHES

Momentary contact pushbutton switches. Type 3D0S-5P, normally open; 3DCS-5P, normally closed; QPD 5031 wires either way. All have overtravel plungers with solder terminals. Amp ratings at 125 VAC. Avg. shpg. wt., 4 oz.

Stock No.	Mfr's Type	Fig.	Action	Size	Amps	EACH
56 B 5328	QPD-5031	T	SPDT	1 5/16 x 2 3/8" dia.	10	1.50 1.35
56 B 5028	3D0S-5P	W	SPST	1 3/8 x 1 3/8" dia.	12	1.75 1.58
56 B 5029	3DCS-5P	W	SPST	1 3/8 x 1 3/8" dia.	12	1.75 1.58

EAGLE KNIFE SWITCHES

Rugged, low-cost knife switches for heavy-duty applications in power circuits. For motors, transmitters, mixing machines, or stage lighting. Provide smooth, easy action. All units rated 25 amps, 125 V. AC. Have screw terminals and bakelite base except Type 617, porcelain. Av. wt., 2 oz.

Stock No.	Mfr's Type	Action	Size	EACH
56 B 4884	612	SPST	1 7/8 x 1"	.26 .24
56 B 4886	613	SPDT	2 3/8 x 1"	.30 .28
56 B 4887	614	DPST	1 3/4 x 1 1/2"	.42 .39
56 B 4888	615	DPDT	2 3/8 x 1 5/8"	.46 .43
56 B 4889	617	SPST	3 1/2 x 1 3/8"	.40 .37

FLUSH-MOUNT PUSHBUTTON SWITCH

Type 188. Momentary contact, 6-leaf spider secures switch in 5/8" hole. Ideal for signaling bells, lights, etc. 3/16" shank depth. 2 1/2" overall. Screw terminals. Contacts are SPST, normally open. Pearl button. Shpg. wt., 2 oz.

56 B 4890. 1-9..... .45 10-99......41

Centralab and Mallory Switches

CENTRALAB ROTARY AND LEVER SWITCHES



MINIATURE PHENOLIC SWITCHES

PA-1000 Series. Rated 2.75 amps @ 15 V DC. 230 mA @ 115 V AC. 30° indexing, adjustable stop. 1 1/2 x 1 1/2" diameters; 1/2" spacing between sections. Shaft, 2 1/4" FMS 1/4"; bushing 3/4 x 1/2". With 1 1/4" pointer knob and mtg. hdw. 6 oz.

Shorting			Non-Shorting			Sections	Total Poles	Pole Pos.	EACH
Stock No.	Type		Stock No.	Type					
56 B 5050	1000		56 B 5065	1001	1	1	2-1-1	1.98	
56 B 5051	1002		56 B 5066	1002	1	1	2-2-1	1.98	
56 B 5052	1004		56 B 5067	1005	2	2	2-1-1	1.98	
56 B 5053	1006		56 B 5068	1007	1	3	2-3	1.98	
56 B 5054	1008		56 B 5069	1009	3	3	2-1-1	3.57	
56 B 5055	1010		56 B 5070	1011	1	4	2	1.98	
56 B 5056	1012		56 B 5071	1013	2	4	2-5	2.82	
56 B 5057	1014		56 B 5072	1015	4	4	2-1-1	4.17	
56 B 5059	1018		56 B 5074	1017	2	6	2-3	2.82	
56 B 5060	1020		56 B 5075	1021	2	6	2-3	2.82	
56 B 4975	1024		56 B 5077	1025	2	8	2	2.82	
56 B 5063	1026		56 B 5078	1027	4	8	2-5	4.17	



LEVER-ACTION PHENOLIC SWITCHES

Budget-priced phenolic-insulated switches featuring nylon rotor design. Rated 2.75 amps at 15 VDC, 230 mA at 115 VAC. Silver-plated clips and contacts. 1 1/2 x 1 1/2" (1 1/4" behind panel). Mtg. bracket has two 6-32 tapped holes. With knob, hardware, 4 oz.

Shorting			Non-Shorting			Poles	Positions	Action	EACH
Stock No.	Type		Stock No.	Type					
56 B 4021	1452		56 B 4026	1454	2	3		Positive Moment.	1.47
56 B 4022	1453		56 B 4027	1455	2	3		Moment.	1.47
56 B 4023	1454		56 B 4028	1456	2	3		Moment.	1.47
56 B 4024	1456		56 B 4030	1457	4	2		Moment.	1.62
			56 B 4029	1458	4	2		Positive	1.62

60° AND 90° INDEXING HAM SWITCHES



Bolted construction; single hole mounting. 3/4" - 32NF-2A threaded bushing, 2 1/2" long. 1/4" dia. shaft, full round, 2 1/4" long from mtg. surface. Bushing and shaft cadmium-plated. 3/4" spacing between front plate and first section. 1/4" between sections. Res. load: 250 mA @ 115 VAC; 175 mA @ 230 VAC; 5 mA @ 1500 VAC; 2.25 amp @ 28 VDC. #2 to 6 active positions. #2 to 4 active positions. With knob, hardware. Av. shpg. wt., 6 oz.

60° Indexing*			90° Indexing*			Sections	Total Poles	EACH
Stock No.	Type		Stock No.	Type				
56 B 5105	2550		56 B 5110	2542	1	1	2-37	
56 B 5106	2551		56 B 5111	2543	2	2	3-36	
56 B 5107	2552		56 B 5112	2544	4	4	3-36	
56 B 5108	2553		56 B 5113	2545	4	4	5-34	
56 B 5109	2554		56 B 5114	2546	5	5	6-30	

MALLORY GANG SWITCHES AND DIAL PLATES

SINGLE-GANG SWITCHES



Compact, enclosed, low-voltage rotary switches. For bandswitching in receivers, transmitters, etc. Have 2" notched shaft, 3/4" threaded bushing. 2 1/2" long. Two base diameters, 1 1/4" and 1 1/2". 1 1/4" size has 30° indexing, 1 1/2" size, 20°. 1 1/4" types have adjustable stops. Breakdown rating: 500 VDC or VAC. Max. breaking current into res. load: 125 mA @ 300 VDC, 3A @ 6 VDC; 200 mA @ 300 VAC, 5A @ 6 VAC. For use with dial plates listed right hand column. *Total Poles. Av. shpg. wt., 4 oz.

SERIES 3100J SHORTING TYPE

Stock No.	Mfr's Type	* Posi.	Base Dia.	1-4	5-9
56 B 4300	31151	1	5 1/4"	1.02	.85
56 B 4301	31212	2	12 1/4"	1.02	.85
56 B 4302	31222	2	3 1/4"	1.02	.85
56 B 4303	31232	2	3 1/4"	1.02	.85
56 B 4304	31262	2	6 1/4"	1.02	.85
56 B 4305	31343	3	4 1/4"	1.05	.88
56 B 4306	31424	4	2 1/4"	1.05	.88
56 B 4307	31434	4	3 1/4"	1.05	.88
56 B 4308	31117	1	2-17 1/4"	1.56	1.30
56 B 4309	31297	2	2-19 1/4"	1.56	1.30
56 B 4310	31363	3	2-6 1/4"	1.65	1.38
56 B 4311	31653	6	2-3 1/4"	1.65	1.38

SERIES 3200J NON-SHORTING

Stock No.	Mfr's Type	* Posi.	Base Dia.	1-4	5-9
56 B 4350	32151	1	5 1/4"	1.02	.85
56 B 4351	32112	1	12 1/4"	1.02	.85
56 B 4352	32122	2	3 1/4"	1.02	.85
56 B 4353	32232	2	3 1/4"	1.02	.85
56 B 4354	32262	2	6 1/4"	1.02	.85
56 B 4355	32343	3	4 1/4"	1.05	.88
56 B 4356	32424	4	2 1/4"	1.05	.88
56 B 4357	32434	4	3 1/4"	1.05	.88
56 B 4358	31117	1	2-17 1/4"	1.56	1.30
56 B 4359	32297	2	2-19 1/4"	1.56	1.30
56 B 4360	32363	3	2-6 1/4"	1.65	1.38
56 B 4361	32653	6	2-3 1/4"	1.65	1.38

MULTI-GANG SWITCHES



Versatile switches recommended for test equipment, meter switching and all types of low current applications. Heavily silver-coated contacting members have self-cleaning, contact-wiping action. 1 fixed and 1 adjustable stop, solid silver rotor contact slugs and phosphor-bronze springs. 3- and 4-gang types spaced 1"; all others, 1/2" 2" notched shaft. Shorting types make break. Require 2 1/2" x 3/8" hole. With bar knob and hardware, less mtg. plate (use 56B4600 C plates at right). *Additional "off" positions with all circuits open.†Total Gangs. Av. shpg. wt., 6 oz.

SERIES 1200L SHORTING TYPE

Stock No.	Mfr's Type	† Total Poles	Pos. Pole	EACH
56 B 4201	1211L	1	1	2-11
56 B 4202	1212L	2	2	2-11
56 B 4207	1225L*	2	4	2-5
56 B 4211	1231L	3	3	2-11
56 B 4214	1241L	4	4	2-11
56 B 4215	1245L*	4	8	2-5

SERIES 1300L NON-SHORTING TYPE

Stock No.	Mfr's Type	† Total Poles	Pos. Pole	EACH
56 B 4251	1311L	1	1	2-11
56 B 4252	1315L*	1	3	2-5
56 B 4253	1316L	2	2	2-3
56 B 4256	1321L	2	2	2-11
56 B 4257	1325L*	2	4	2-5
56 B 4258	1323L*	2	6	2-3
56 B 4261	1331L	3	3	2-11
56 B 4262	1336L*	3	8	2-5
56 B 4265	1345L*	4	8	2-5
56 B 4266	1351L	5	5	2-11
56 B 4267	1356L	5	10	2-6
56 B 4268	1361L	6	6	2-11



MINIATURE STEATITE SWITCHES

PA-2000 Series. Ceramic rotary switches. Rated 2.75 amps @ 15 VDC, 230 mA @ 115 VAC. 1 1/2 x 1 1/2" diam.; 1/2" spacing between sections. 30° indexing. Shaft 2 1/4" FMS long. 1/4" dia.; bushing 3/4 x 3/2 thread, 3/4" long. #2042. No shorting pos. Adjustable stop. With 1 1/4" pointer knob, hdw. *Switch sections. †Total Poles.

Shorting			Non-Shorting			Pole Pos.	EACH
Stock No.	Type		Stock No.	Type			
56 B 5095	\$2042		56 B 4921	2001	1	1	2-10
56 B 4900	2000		56 B 4922	2003	1	2	2-6
56 B 4901	2002		56 B 4923	2005	2	2	2-6
56 B 4902	2004		56 B 4924	2007	3	3	2-6
56 B 4903	2006		56 B 4925	2009	3	3	2-12
56 B 4904	2008		56 B 4926	2011	2	4	2-6
56 B 4905	2010		56 B 4927	2013	4	4	2-12
56 B 4906	2012		56 B 4928	2015	5	5	2-3
56 B 4907	2014		56 B 4929	2017	5	5	2-12
56 B 4908	2016		56 B 4930	2019	1	6	2
56 B 4909	2018		56 B 4931	2021	2	6	2-5
56 B 4910	2020		56 B 4932	2023	3	6	2-6
56 B 4911	2022		56 B 4933	2025	6	6	2-6
56 B 4912	2024		56 B 4934	2027	4	8	2-6
56 B 4913	2026		56 B 4935	2029	3	9	2-5
56 B 4915	2028		56 B 4936	2031	2	10	2-3
56 B 4916	2030		56 B 4937	2033	3	15	2-3
56 B 4918	2032		56 B 4938	2035	3	15	2-3
56 B 4919	2034		56 B 4939	2037	3	18	2
56 B 4920	2036		56 B 4940	2039	3	18	2
56 B 4921	2040		56 B 4941	2041	3	18	2



UNIVERSAL AND INTERCOM SWITCHES

Phenolic-insulated rotaries. Cadmium-plated. Breakdown 1000 VAC. Rated 2.75 amps at 15 VDC, 230 mA at 115 VAC. Non-shorting; 30° indexing. Shaft, 1 1/2 x 1/4" dia. Bushing, 3/4-32 thread 3/8" long. *1" or 1 1/4" behind panel. †2 to 6 active positions. #2 to 4 active positions. With knob, shpg. wt. 8 oz.

Stock No.	Type	Description	1-4	5-9	E.A.
56 B 4085	1450†	4PDT	1.65	1.38	
56 B 4087	1451†	4PDT, spring-return	2.40	2.00	
56 B 4054	1488*	6P, 3 pos., spring-return	3.60	3.00	
56 B 4055	1489*	6P, 3 pos.	3.60	3.00	

Intercom and Radio Switches. Phenolic, cadmium-plated switches. Same ratings and shafts as above [except 2 1/4" for radio-phones, PA input selectors, meter/speaker switching, etc. Silver-plated spring brass clips. Both shorting and *non-shorting types. 1472 is for AM-FM-phono selector.

Stock No.	Type	Description	1-4	5-9	E.A.
56 B 4080	1460†	SPST phono-radio switch	1.08	.90	
56 B 4081	1461†	SP-3-position selector	1.08	.90	
56 B 4082	1462†	DPDT bandswitch	1.08	.90	
56 B 4083	1463*	SPDT spring return	1.08	.90	
56 B 4084	1464*	DPDT spring return	1.08	.90	
56 B 5235	1472*	DP 3-position	1.08	.90	
56 B 4073	1465†	SP-4, AC line switch	1.80	1.50	

DIAL PLATES



Wide selection of dial plates for switches, potentiometers and rheostats. Designed for use with Series 1200L, 1300L, and for 3100 and 3200J with 1 1/4" bases; Etched aluminum. Back-luminescent. 1 1/2" hole. Shpg. wt. 1 oz.

Type	Marking	Type	Marking
372	1 to 2	382	1 to 2
373	1 to 3	383	Off 1 to 3
374	1 to 4	384	Off 1 to 4
375	1 to 5	385	Off 1 to 5
376	1 to 6	386	Off 1 to 6
377	1 to 7	387	Off 1 to 7
378	1 to 8	388	Off 1 to 8
379	1 to 9	389	Off 1 to 9
380	1 to 10	390	Off 1 to 10
381	1 to 11		

56 B 4600 C. Specify Type. Each.12

151L "HAMSWITCH"



For switching a single meter between 1 to 5 circuits. 2 sections, 5 positions. 1 pole per section. Non-shorting. 2 1/2" spacing between sections; 60° indexing. Rated 1000 VAC, 1500 VDC. 3/8" mtg. depth. 3/4 x 1/2" washer. Shpg. wt., 6 oz.

56 B 4318, 1-4. Ea. 2.70 5-9.Ea. 2.25

1312AL 24-POINT TAP SWITCH



Single circuit, 24 positions. 24 1/2" spacing between sections. 3/8" bushing. 2" grooved shaft. Knob, dial plate, hardware. Shpg. wt. 6 oz.

56 B4295, 1-4. Ea. 2.70 5-9.Ea. 2.20

Switches by Switchcraft, Inc.

SWITCHCRAFT LEVER AND PUSH SWITCHES

"LITTEL" SWITCHES



miniature, non-locking pushbutton type switches for limited space applications. One-piece button and shaft. Red or black button. N.O. means normally open; N.C. means normally closed. Nickel silver contacts; wiring sections are insulated. $\frac{3}{4}$ " threaded stem; $\frac{3}{4}$ " long. For low-level currents only. At .115 VAC non-ind. With hardware. 3 oz.

Stock No.	Mfr's Type	Button Color	Action	EACH
6 B 4944	101	Red	SPST N.O.	.57
6 B 4945	102	Red	SPST N.C.	.57
6 B 4946	103	Red	3PDT	.66
6 B 4947	201	Black	SPST N.O.	.57
6 B 4948	202	Black	SPST N.C.	.57
6 B 4949	203	Black	3PDT	.66

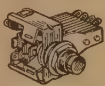
ILLUMINATED "LITTEL-LITE" SWITCHES

similar to above, but clear plastic pushbutton and shaft illuminated by 6 or 28 V lamp (not applied, see below right). 3 A., 300 W. @ 115 AC max. non-ind. load. With 4 color chips red, amber, green, yellow). Shpg. wt., 4 oz.

Stock No.	Mfr's Type	Action	EACH
6 B 4607	211S	SPST N.O.	1.17
6 B 4608	212S	SPST N.C.	1.17
6 B 4609	213S	3PDT	1.35

ILLUMINATED "NF-LITE" SWITCHES

Series 4100. Pushbutton types indicate switching and circuit functions. Rated 3 amps, 300 W. max., AC non-inductive. With 4 color chips red, amber, green, yellow). $\frac{1}{4}$ " behind panel; mount in $\frac{1}{4}$ " hole in panels up to $\frac{1}{4}$ " thick. Less lamp, below right. Wt., 4 oz.



Stock No.	Mfr's Type	Action	EACH
6 B 4610	4101	SPST N.O.	1.17
6 B 4611	4103	3PDT	1.25
6 B 4612	4104	DPST N.O.	1.32
6 B 4613	4106	DPDT	1.47
6 B 4614	4109	3PDT	1.80

SWITCH WRENCHES

Special wrenches designed to fit knurled or milled edge locknuts furnished with toggle, lever and button switches and jacks. Adjustable sleeve on shaft holds rods tightly. Knurled handle provides sure, firm grip. Shpg. wt., 10 oz.



Stock No.	Mfr's Type	Nut Size	EACH
6 B 4605	A-1070	$\frac{15}{16}$ "-32	4.50
6 B 4606	A-1071	$\frac{1}{4}$ "-32	4.50

"CORDETTE" CONTROL SWITCH



921 and 921-K
"CORDETTE"

921 accepts standard phono plug. 921-K with 6 ft cable. Pre-stripped and tinned.

Momentary-action pendant switch. Designed to provide remote switching of electrical devices. Fits comfortably in the hand, yet rugged enough for critical applications. One-piece body of high-strength molded plastic, enclosed to protect switching contacts.

Thermosetting plastic insulation. One-amp SPST with integral brass, hard-gold-plated 500-mA contacts. 50 watts max., AC noninductive load. For low-voltage circuits.

Type 921 has Switchcraft Phono-Jax output molded direct to the body. Industry standard jack accepts most phono plugs; molded cable assemblies such as Switchcraft Part Nos. 25AC84, 25AF30, 25AC82. (See page 341 for cable assemblies)

Type 921-K has 6-ft., 2-conductor unshielded cable, stripped and tinned. $\frac{1}{4}$ "x $\frac{1}{2}$ "x $\frac{1}{4}$ ".

Stock No.	Mfr's Type	Wt. Oz.	EACH
6 B 5799	921	1	2.55
6 B 5800	921-K	4	3.00

TYPE 900 MINIATURE SPDT

"BUTTON" SWITCHES

Momentary-action pushbutton switches in metal housing. Each type has black plastic button. Type 913 is $\frac{1}{4}$ " long, fits $\frac{3}{16}$ " hole, and provides behind-panel mounting. Type 933 is $\frac{1}{4}$ " long, fits $\frac{1}{4}$ " hole, and mounts from front. Both rated at 250 mA, 30 watts maximum, AC non-inductive. Both are SPDT. Shpg. wt., 2 oz.



56 B 5418, Type 91384
56 B 5420, Type 93390

REMOTE-CONTROL SPDT PUSHBUTTON SWITCH

Hand-held switch for remote control of recorders, lights, counters, etc. Momentary contact, SPDT switch in a nickel-plated sleeve. Rated 250 mA, 30 watts max., AC non-inductive. $\frac{1}{4}$ "x $\frac{1}{2}$ "x $\frac{1}{4}$ ". Shpg. wt., 4 oz.



Stock No.	Mfr's Type	Button Color	EACH
56 B 5422	E903	Red	1.35
56 B 5424	E913	Black	1.35

"LEV-R" SWITCHES

Series 3000. Require half the space needed for a lever switch. Silver contacts rated at 3 amps, 300 watts max., AC, non-inductive load. Non-locking types have spring return. $\frac{1}{4}$ " mtg. hole. Type 3014 closes either of two circuits keeping the other open. Type 3035 opens one of two circuits keeping the other closed. *Same contact form for both sections on each side of switch. Shpg. wt., 3 oz.



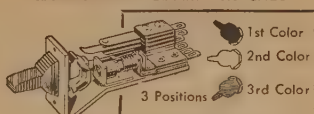
TWO-POSITION TYPES

Stock No.	Locking Type	Non-Locking Type	Action	EACH
3001	56 B 4471	56 B 4465	SPST	1.20
3003	56 B 4472	56 B 4466	SPDT	1.41
3004	56 B 4473	56 B 4467	DPDT	1.56
3006	56 B 4474	56 B 4468	DPDT	1.71
3009	56 B 4484	56 B 4485	3PDT	2.19

*THREE-POSITION TYPES

3033	56 B 4475	56 B 4469	SPDT	1.56
3034	56 B 4459	56 B 4458	DPDT	1.62
3035	56 B 4477	56 B 4464	DPDT	1.62
3036	56 B 4478	56 B 4465	DPDT	1.80
3037	56 B 4476	56 B 4470	DPDT	1.83

ILLUMINATED LEVER SWITCHES



Series 25000. Illuminated color-coded switches indicate function and/or switching position. Replace switch and up to 3 indicator lamps, saving space and wiring costs. Nickel-silver springs. Silver contacts: 3 amps, 300 watts max., AC non-inductive. $\frac{1}{4}$ " high, $\frac{3}{4}$ " wide, $\frac{1}{4}$ " behind panel. With 6-volt lamp and 6 color chips (blue, red, amber, yellow, green, white). *Same contact form for both sections on each side of switch: 1-A for Type 25201, 25304; 1-C for 25306; 2-A for 25308; 2-C for 25206, 25312; 3-C for 25209. Shpg. wt., 3 oz.

TWO-POSITION TYPES

Mfr's Type	Stock No.		Action	EACH
	Locking Type	Non-Lock- ing Type		
25201	56 B 6280	56 B 6272	SPST	2.40
25206	56 B 6282	56 B 6274	DPDT	3.00
25209	56 B 6283	56 B 6275	3PDT	3.45

*THREE-POSITION TYPES (Center-Off)

25304	56 B 6284	56 B 6276	SPST	2.70
25306	56 B 6285	56 B 6277	SPDT	3.00
25308	56 B 6286	56 B 6278	DPDT	3.40
25312	56 B 6287	56 B 6279	3PDT	3.60

"FF" PUSHBUTTON SWITCHES

Non-locking type with rugged flat frame. Fine silver contacts rated 3 amps, 300 W. max., AC non-inductive. Insulated springs are form-free at flex point. One-piece black button and shaft. $\frac{3}{4}$ " dia. mtg. shank is $\frac{3}{8}$ " long. With locknut and washer. Shpg. wt., 3 oz.



Stock No.	Mfr's Type	Action	EACH
56 B 4994	1001	SPST N.O.	.69
56 B 4995	1002	SPST N.C.	.69
56 B 4996	1003	SPDT	.78
56 B 4997	1004	DPST N.O.	.87
56 B 4998	1005	DPST N.C.	.87
56 B 4999	1006	DPDT	1.02
56 B 4969	1009	3PDT	1.38

LAMPS FOR ILLUMINATED SWITCHES

For use with "Littel-Lite" and "NF-Lite" illuminated pushbutton switches, and Series 25000 illuminated lever switches. Wt., 2 oz.

60 B 7359, Type 1768	6-volt	1.80
60 B 7126, Type 335	28-volt	1.50

SERIES 41000 LEVER SWITCH

- Requires Just $2\frac{1}{8}$ " Behind Mounting Panel
- Offers Long-Life Reliability, Multiple Circuity
- Smallest Telephone-Type Lever Switch Available

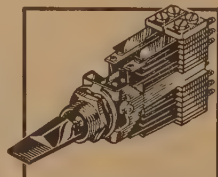
Telephone-type lever switch with welded cross-bar palladium contacts rated 3 amps, 200 watts maximum, AC non-inductive load. For ground support, data processing, control panel, test communications, instrumentation. Features "U" shaped frame which includes "Can't Cheat" detent guide to prevent accidental actuator bypass of a switching position. Built-in phenolic damping block minimizes tramp spring travel. Special long nickel-silver springs have no "form" at point of flex, assure long spring life. Frame provides integral ground terminal. Mounts on $\frac{1}{4}$ " centers, in $\frac{1}{4}$ " hole. Size, (including knob), $\frac{5}{8}$ "x $\frac{3}{4}$ "x $\frac{1}{4}$ ". Requires $2\frac{1}{8}$ " behind mounting panel. Smart paddle-designed knob in 2- or 3-position types, locking or non-locking. Contact assemblies refer to illustrations at right. *Indicates 3-position switch contacts are for both Pos. 1 and 2. Av. shpg. wt., 1 oz.

TWO-POSITION SWITCHES

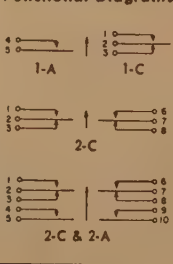
Mfr's Type	Stock No.		Contact Assembly	EACH
	Locking Type	Non-Locking Type		
41203	56 B 5775	56 B 5776	1-C	2.40
41206	56 B 5777	56 B 5778	2-C	3.00
41208	56 B 5779	56 B 5780	4-A	3.30
41212	56 B 5781	56 B 5782	4-C	4.05

THREE-POSITION SWITCHES

41306	56 B 5783	56 B 5784	1-C*	3.00
41308	56 B 5785	56 B 5786	2-A*	3.30
41312	56 B 5787	56 B 5788	2-C*	4.05
41324	56 B 5789	56 B 5790	4-C*	6.00



Functional Diagrams



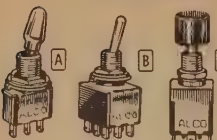
Miniature, Slide, Reed and Foot Switches

ALCOSWITCH MINIATURE SWITCHES AND ACCESSORIES

TOGGLE SWITCHES

• DPDT Only 1/2" Square • Solid Silver Contacts
Ideal miniature switches for high-density applications where space is at a premium. Meet high standards of quality. Solid silver contacts carry a full 5 ampere rating at 115 volts AC. Insulation rating test, 1000 megs at 500 volts DC. All types listed have breakdown ratings of 1000 volts at 60 Hz. 1/4" mounting bushings. *Momentary contact. †Special switch with 3 "On" positions. ‡"On-None-On" configuration. §"On-Off-On" positioning. 30° throw. With or without cap. From Japan. Av. shpg. wt., 1 oz.

WITHOUT HANDLE CAP (Cont'd)



WITH HANDLE CAP

Stock No.	Type MST.	Action	EACH
56 B 3201	115D	SPDT†	1.70
56 B 3202	215N	DPDT†	2.20
56 B 3203	315D	3PDT†	3.90
56 B 3204	415N	4PDT†	4.90

WITHOUT HANDLE CAP

56 B 3205	105D	SPDT†	1.65
56 B 3206	105E	SPDT‡	1.95
56 B 3207	105F	SPDT‡†	1.95
56 B 3208	105C	SPDT†	1.95
56 B 3209	105H	SPDT‡§	1.95

COLORLED PLASTIC CAPS FOR ABOVE TOGGLE SWITCHES



Switch identification made easy with bright colored plastic caps. Available in white, red, black or blue. 25 per pkg. Specify color. Shpg. wt., 2 oz. per package.

Stock No.	For MST.	Per Pkg. of 25
56 B 3237 C	-105 Series	.70
56 B 3227 C	-115 Series	.70

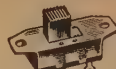
PUSHBUTTON SWITCH AND RED OR BLACK BUTTONS

Usable normally open or normally closed. 5 amps at 115 volts AC. All types listed have solid silver contacts. Size, 1/2x1/2x1/4". *Momentary contact. †Push on/off. Order buttons separately, below. Av. shpg. wt., 1 oz.

Stock No.	Type MSP.	Action	EACH
56 B 3248	105F	SPDT*	1.90
56 B 3249	205R	DPDT*	2.80
56 B 3297	205N	DPDT†	2.80
56 B 3298	C-12	Black Button	Pkg. of 25 .90
56 B 3299	C-12	Red Button	Pkg. of 25 .90

CONTINENTAL-WIRT

SLIDE SWITCHES



AC-DC, for transmitters, receivers, etc. Cadmium-plated steel housing, except nickel-finished. Solder-lug terminals. Dimensions, 3/4x1 1/2x1 1/2. U.L. Component Program. Recog. Av. 3 oz.

Stock No.	Mfr's Type	Action	Amps @125V	1-9	10-99
56 B 5034	G124	SPDT	.05	.32	.27
56 B 5035	G126	DPDT	0.5	.40	.33
56 B 5036	G128	DP3P	.05	.54	.45
56 B 5037	G129	SP3P	3.0	.24	.19
56 B 5038	G130	SPDT	3.0	.24	.19
56 B 5039	G131	DP3P	3.0	.25	.22
56 B 5040	G132	DPDT	3.0	.36	.30
56 B 5041	G133	DP3P	3.0	.36	.30
56 B 5042	G134	DP4P	3.0	.72	.60
56 B 5043	G135	3PDT	3.0	.48	.40
56 B 5044	G136	4PDT	3.0	.64	.54
56 B 5045	G137	SP3P	3.0	.24	.20
56 B 5046	G138	SP3P	6.0	.25	.22
56 B 5047	G139	SPDT	6.0	.25	.22
56 B 5048	G140	DP3P	6.0	.34	.28
56 B 5049	G141	DP3P	6.0	.34	.28
56 B 5050	G142	SPDT	10.0	.36	.30

G.E. DRY-REED SWITCHES



A pair of magnetic, overlapping, contact bearing cantilever reeds, hermetically sealed in glass. N.O. Min. 20 million operations. 500 volt breakdown @ 60 Hz rms. Min. insulation res., 500,000 megs. -65° to +150°C. Resonant freq., 925 Hz. Max. length, less leads, 2.10"; with leads, 3.21"; max. dia., 0.215" except *less leads 0.84"; with leads, 2.03"; max. dia. 0.105". 2 oz.

56 B 4979	Type DR100	* 4 volt amps.	.80
56 B 4978	Type DR101	15 volt amps.	.60
56 B 4977	Type DR113	50 volt amps.	1.13

GORDOS MAGNETIC REED SWITCHES

Can be actuated by magnets or coils. Contacts are sealed in dry, inert gas. Not position sensitive. For relays, crosspoints, logic elements, scanners, proximity switches, etc. All switch types listed are SPST. Actuating time, 1 millisecond or less. Av. shpg. wt., 1 oz.

MR-107	Universal miniature N.O. switch. Dimet contacts for high/low-level loads. Center gap. Pull-in: 10 wts. 5 amps, 150 volts. .100" dia. x .750". Replaces Hamlin, C.P. Clare, RBM, Gen. Reed, Wabash, Hathaway.	56 B 4812	 1.10
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MR-237	Intermediate size, .150" diameter x .11". Dimet contacts rated 10 wts., 500 ampere, 250 volts maximum. Pull-in: 35 (±10) ampere turns.	56 B 4815	75
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MR-406	Miniature size, .10" diameter x .825". Dimet contacts rated 4 wts., 125 ampere, 300 volts. Offset gap. Pull-in: 35 (±10) ampere turns.	56 B 4802	 1.10
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MR-908	Std. size, .205" dia. x 2.05". N.O. Dimet contacts rated 15 wts., 1 amp, 250 volts. Replaces 56 B 4817.	C.P. Clare, Hamlin, G.E., RBM, Allen Bradley, Wabash, Western Elec.	56 B 4817	85
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TAPESWITCH CORP.

"CONTOFLEX" ROAD SWITCHES



Type RB. Extremely rugged switch for road bed use. Adheres to concrete with adhesive, below. Contact rated 1 amp @ 117 VAC. 24-V or less recommended for ground use. Sensitivity 20 lbs. With sealed ends and 10-ft. U.L. lead. 1 1/4" wide, 3/4" thick.

	58 B 8178, 2-ft. Length. Wt., 1 lb.	7.50
	58 B 8180, 5-ft. Length. Wt., 2½ lbs.	1.90
	RBM. Above, for both asphalt and concrete. 2x¼"	
	58 B 8184 X, 2-ft. Length. Wt., 2 lbs.	9.50
	58 B 8186 X, 5-ft. Length. Wt., 5 lbs.	16.90
	A-12 Adhesive. Pint can. Affixes 10-ft. switch to concrete road.	
	58 B 8183, Shpg. wt., 1 lb.	2.95

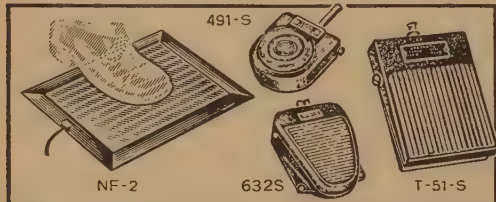


UNDER-RUG SWITCHING RUNNER

Contoflex PE-30. Excellent for concealed indoor alarms, control circuits. Polyethylene. Can be easily cut to any length. Size, 1/4" thick by 30" wide. 5-ft. long. Shpg. wt., 2 lbs.

56 B 8163	X	 12.95
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RECORA FOOT SWITCHES



Model NF-2-S. Foot-operated switch frees hands for other work. Waterproof—can be used indoors or out. SPST contacts rated 10 amps at 110 volts. Molded plastic. With 6-ft. cord, less plug. Size, 3/4x3/4x1/2". Shpg. wt., 2 1/4 lbs.

"Switchmat" Switch. Similar to NF-2 above, except larger. Concealed, normally-open SPDT switch. Sensitive to 5 lbs. force. For use with 110 V non-inductive loads up to 100 watts. 3/4" thick. Complete with 10-ft. cord.		
56 B 8355 X.	14x23". Shpg. wt., 11 lbs.	17.25
56 B 8356 X.	18x30". Shpg. wt., 19 lbs.	24.00
"Announcemat" Chime Alarm. Footstep actuated alarm system for stores, offices and industry. Includes 18x30" "Switchmat" (above) and transformer with 6' cord, chime and 25' cable. For 110-120 volts, 60 Hz AC. Shpg. wt., 17 1/2 lbs.		
56 B 8358 X.		29.62

LINEMASTER FOOT SWITCHES

Model T-51-S. Compact switch for low current-loads. SPDT momentary contact switch rated 7 amps at 110-250 v. Skidproof rubber base. 1 1/2x3/4x1/2". Shpg. wt., 7 oz.

56 B 8384.	Model T-51-SC. As above, but with 6-ft. cord and 2-prong series plug. Shpg. wt., 15 oz.	4.00
Model 491-S.	Lightweight, momentary-contact switch with SPDT contacts rated 10 amps at 115 V, or 230 V, AC. Steel housing, skidproof base. 2 1/2x2 1/2x1 1/2". Shpg. wt., 7 oz.	
56 B 8367.	.....	3.25
56 B 8368.	Model 491-SC. As above, but with 6-ft. cord and 2-prong series plug. Shpg. wt., 1 1/4 lbs.	5.00
Model 632-S "Clipper."	Momentary-contact industrial switch. SPDT contacts rated 20 amps at 125-250 VAC. Cast iron housing has rubber anti-skid pad, black-wrinkle finish, 4 1/2x3 1/2x1 1/2". Wt., 2 1/4 lbs.	8.25

Intermatic Timers and Photoelectric Controls



- Automatically Turns Lights On or Off
- U.L. Listed
- Handles Loads of 1875 Watts



A501



RC5421-4

MODEL A501 SLEEP-MINDER

Electric clock with Sleep Switch and Buzzer Alarm. Lets radio play up to 60 minutes before automatically shutting it off. Automatically turns radio on again in morning. Buzzer alarm sounds 10 minutes before awakening arousing heavy sleepers. AC outlet on back takes 1875-watt load (15 A). Plaskon case. 6-ft. cord. $4\frac{1}{2} \times 4\frac{3}{4} \times 2\frac{1}{4}$ " U.L. Listed. 110-120 V, 60 Hz AC.

58 B 8267, Wt., 2 lbs. 8.96

RC5421-4 RADIO CLOCK-TIMER

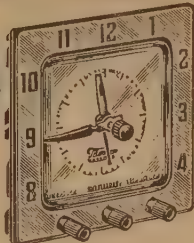
Similar to Music Minder above, but un-cased. Turns on radio or appliance automatically at any pre-set time within 12 hours. Sleep Switch turns radio or appliance off at any pre-set time up to one hour. All controls on front panel. Brass bezel, soft white and brown dial. Tan knobs. Rated 15 amps, 1875 W. $3\frac{1}{2} \times 3\frac{1}{2} \times 2\frac{1}{2}$ " deep. Four $\frac{3}{32}$ " mtg. holes on $3\frac{1}{4}$ " ctr. Wt., 1 lb.

58 B 8499. 7.28

TELECHRON CLOCK-TIMER



Electric Clock, Automatic Time Switch



Excellent value in a famous-name combination electric clock and automatic time switch. Use for radio, hi-fi air conditioner, coffee-maker, etc. SPST switch rated 15 amps at 125 volts AC. Select manual "on" and "off" operation, or automatic appliance control at pre-selected time within 12 hours. Automatic operation can also be used with signal alarm sounding 10 minutes after "on" cycle begins. Or, select a definitely timed "on" cycle of up to one hour duration—use with radio as "sleep switch." Gold-finish case: $3\frac{1}{2} \times 3\frac{1}{2} \times 1\frac{1}{4}$ " deep. For 110-120 volts, 60 Hz AC. Shpg. wt., 2 lbs.

58 B 8438. 5.44

"TIME-ALL" MODEL A911-6 AUTOMATIC APPLIANCE TIMER

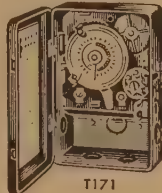
You can easily set the "Time-All" to turn lights and appliances on and off at times you designate. The minimum "on" time is 15 minutes; maximum "on" time is 23 $\frac{3}{4}$ hours. Can be set to skip operation for a day or longer. Device to be controlled plugs into AC outlet on back of timer. Has manual control with automatic reset. Timer handles 15-amp, 1875-watt load. With 6-ft. cord, plug, Champagne White Plaskon case. $5\frac{1}{2} \times 2\frac{1}{2} \times 1\frac{1}{2}$ " U.L. Listed. 110-120 V, 60 Hz AC. Shpg. wt., 2 lbs.

58 B 8311. 9.71

MODEL A921-6. Same as above, but designed to handle 7-amp, 875-watt load. For light duty applications, as control of music systems, house, garage, or yard light, and most smaller electrical appliances. Dove Gray Plaskon case. Shpg. wt., 2 lbs.

58 B 8397. 8.96

"SKIPPER" TIME SWITCHES



T171

Handle up to 12 on-off operations. Can be set to skip one or more days.

Permit "skipping" control cycle. Have two dials: a time dial and a day dial. Days are skipped by inserting small skipping screws into day dial. "On" and "off" trippers are set in time dial. Special "cutout" tripper advances the day dial every 24 hours. Up to 12 operations per day can be obtained by adding trippers. Range: minimum "on" or "off," 1 hour; maximum 23 hours. Silver contacts rated 40 amps (4375 watts, tungsten) at 125 V, $7\frac{3}{4} \times 5\frac{3}{8} \times 3$ " U.L. Listed. For 110-120 V, 60 Hz AC. Shpg. wt., 3 lbs.

Stock No.	Type	Action	EACH
58 B 8315	T171	SPST	12.32
58 B 8316	T173	DPST	13.62
58 B 8317	T175	SPDT	13.62

TRIPPERS AND SKIPPING SCREWS

TYPE 107T19GR. "On" Cutout Trippers. For "Skipper" switches only. Shpg. wt., 3 oz.

58 B 8319. Each .50

TYPE 79T8A. Skipping Screws. For "Skipper" switches only. Shpg. wt., 8 oz.

58 B 8364. 2 for .20

TYPE 107T8A. "On and Off" Trippers. For all switches except T185. Shpg. wt., 2 oz.

58 B 8324. Per Set .50

TIME SWITCHES



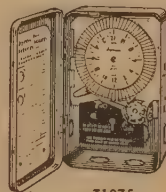
T101



P101



T185



T1975

TYPE T101 TIME SWITCH

SPST time switch turns equipment on and off once in 24 hours. Can be activated up to 12 times a day with extra trippers (use Type 107T8A listed at the lower left of page). Minimum time between settings is one hour. Long-lasting Alloy-T contacts resist pitting and welding. Motor is visible for inspection. Contacts handle 40 amps (4375 watts, tungsten rated) at 125 volts. Size, $5\frac{1}{2} \times 3\frac{1}{2} \times 7\frac{1}{2}$ " U.L. Listed. For 110-120 V, 60 Hz AC. Shpg. wt., 3 lbs.

58 B 8322. 9.07

TYPE T103. As above, but DPST.

58 B 8321. 10.37

TYPE P101 TIME SWITCH

Portable, SPST plug-in time switch has numerous applications. Easily set for from 1 (as is) to 12 on-and-off operations per day (when used with extra T107T8A trippers, listed at left). Minimum on or off time, 1 hour; maximum, 23 hours. Can also be manually operated. 10 amps at 125 volts. Size, $5\frac{1}{2} \times 3\frac{1}{2} \times 7\frac{1}{2}$ " U.L. Listed. For 110-120 V, 60 Hz AC. Shpg. wt., 4 lb.

58 B 8314. 10.37

TYPE T185 TIME SWITCH

Provides up to 12 on-and-off cycles daily, with extra trippers (listed below). Each cycle is independently controlled and can vary from 5 to 60 minutes. Minimum interval between cycles, 1 $\frac{1}{4}$ hours. Can be used as SPST normally open, SPST normally closed, or SPDT. The perfect switch for applications requiring more than one on-and-off cycle of the same or different duration within a 24-hour period. Rated 40 amps (4375 watts, tungsten rated) at 125 V. Supplied with 3 trippers, $7\frac{3}{4} \times 5\frac{3}{8} \times 3$ " U.L. Listed. For 110-120 V, 60 Hz AC.

58 B 8313. Shpg. wt., 4 lbs. 12.97

EXTRA TRIPPERS. For above, Shpg. wt., 4 oz.

58 B 8336. Set of 3 for 1.27

TYPE T1975 PROGRAM TIMER

96 trippers for 48 on-and-off operations every 24 hours. Minimum interval, 15 minutes. Has "skipper" feature for omitting operation on selected days. SPDT switch, rated 20 amps at 125 V. Industrial-type motor. U.L. Listed. $7\frac{3}{4} \times 5\frac{3}{8} \times 3$ " U.L. Listed. For 110-120 V, 60 Hz AC. Shpg. wt., $3\frac{3}{4}$ lbs.

58 B 8378. \$5 Monthly. W. 23.37

INDOOR-OUTDOOR PHOTOELECTRIC LIGHT-CONTROL DEVICES

Turn lights on at dusk, off at dawn automatically. Modern printed circuits, housed in aluminum. Self-cleaning lens and moisture-proof photocell. Handle tungsten, mercury vapor, or fluorescent lights.

A MODEL M1611. Complete photocell and Par lamp holder in one unit. External switch leg provides instantaneous control of other light clusters. 1000 watts. For 125 V, 60 Hz AC. Shpg. wt., 1 lb.

58 B 8337. 11.02

B SERIES K1121. Adjustable stem. Suffix "L": late activation (2-5 foot candles of light activate it; 5-12 deactivate). "E": early activation (6-12 on; 8-16 off). 1500 watts. 125 V, 60 Hz AC. $\frac{1}{2}$ lb.

58 B 8341. K1121-L. 13.62

58 B 8344. K1121-E. 13.62

SERIES K1111. As above, but 650 watts.

58 B 8345. K1111-L. 12.32

58 B 8346. K1111-E. 12.32

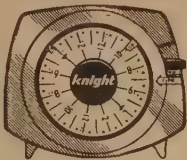


- Weather-Resistant Aluminum Housings
- Modern, Dependable Printed Circuits
- Operate From Artificial or Natural Light



PARAGON MULTI-PURPOSE TIME CONTROLS

KNIGHT ALL-PURPOSE TIMER



Automatically
Turns Lights
On or Off

\$8.77

- Can be Set to "Skip-A-Day"
- Handles Loads of 1875 Watts
- U.L. Listed • Automatic Reset

Designed specifically for Allied—to give you greater convenience in the home or shop. Controls a wide variety of devices—makes virtually every electrical appliance automatic. Handles units rated up to 1875 watts (15 amps). Minimum "on" time is 15 minutes; maximum "on" time is 23½ hours. Set it to turn house or yard lights on and off—gives your home a "lived-in look" when you're on vacation or out for an evening. Switches on your favorite TV or radio program, brews your morning coffee, even operates the household hair dryer. No need to run your window air conditioner all day—timer will start it an hour or two before you get home, saving you money while cooling the house. Works with lights that make indoor plants flourish, also tank lights and filter pump for the tropical fish aquarium, or ventilating fans. During the holiday season, turns your Christmas displays on and off while you are out for the evening or week-end. Manual control with automatic reset. Size, 5¼x2¼". Attractive Dove Gray case with Midnight Blue dial. Complete with 6 foot cord, plug and instructions. U.L. Listed. For 110-120 volts, 60 Hz. AC. 2 lbs.

58 B 8420.....**8.77**



4000

7000



4000 SERIES 24-HOUR CONTROLS

Up to 7 on-off operations per day—1½-hour minimum between settings. Double pole type switches 9600 watts on 3-wire load. "Skip-A-Day" feature (on 4003-OS and 4005-OS) eliminates operation for preselected days. 40 amps. U.L. Listed. 7½"ex4"ex 2½". 110-120 volt. AC. 2½ lbs.

58 B 8000, Type 4001-O, SPST.....**9.07**

58 B 8012, Type 4003-OS, DPST.....**13.62**

58 B 8003, Type 4005-OS, SPDT.....**13.62**

7000 SERIES 7-DAY CONTROLS

Deluxe version of above. 28 on-off combinations per week or 4 per day—3-hour minimum between operations. Permits up to 4 automatic "On-Off" operations at different hours each day. You can omit one or more days completely if desired. T-rated action of 40 amps for Type 7007-O, 4PST, and 40 amps non-inductive on 7008-O, 2 N.O.—2 N.C. U.L. Listed. 10"ex7½"ex3¾". 110-120 V, 60 Hz. AC. Shpg. wt., 6½ lbs.

58 B 8013, Type 7007-O, 4N.C.....**21.09**

58 B 8014, Type 7008-O, 2N.O.-2N.C. 21.09

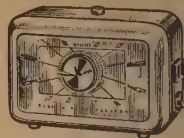
APTS-O HOUSEHOLD TIMER

Wake to fresh, hot coffee—let music lull you to sleep. You decide on and off time—timer doesn't forget. Skip a schedule without resetting. Makes virtually all home appliances automatic. 1800-watt capacity. U.L. and C.S.A. Listed. 4½x4½x2¾". For 110-120 V, 60 Hz. AC. Wt., 2 lbs.

58 B 8055.....**9.76**



APT5-O



AT45-O

AT45-O INTERVAL TIMER

Excellent for sun lamps, vibrator pillows, heating pads, cooking appliances, and lab equipment. Buzzer signals end of timed period. Use with or without buzzer. One minute dial graduations for setting accuracy. Simple friction setting. Time range 0-60 minutes. 3½x3½x2¾". 1600 watt capacity. U.L. Listed. With 4-foot cord set. 110-120 V, 60 Hz. AC. 1½ lbs.

58 B 8008.....**10.64**

Model AT3160-O. As above, without buzzer. 840-watt capacity. 2½x4½x2¾". 1½ lbs.

58 B 8009.....**7.31**

FA-FF SERIES FLUSH-MOUNT TIMER



For attic or window fans, yard lights, small air conditioners, or other applications where permanent control installation is desired. Designed to mount in a standard single outlet box, like a light switch. Handsome molded ivory wall plate has gold dial with black numerals, and a gold knob. Available in *15 min., *60 min., and *120 hr. time ranges. ¾" hp rated. Size, 4½x2¼x1½". For 110-120 volt, 60 Hz. AC. ¾ lbs.

58 B 8010, Type FF15-O.....**6.47**

58 B 8011, Type FF60-O.....**6.47**

58 B 8012, Type FA51-O.....**6.47**

MARK-TIME AUTOMATIC TIMER AND TIME SWITCHES



29001



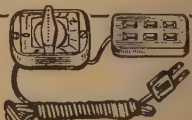
22501



78105



74701



TEC-1

Model 29001 Bell Timer. Spring-driven timer accurately times intervals up to 60 minutes. Bell rings at end of timing interval. Well molded-plastic finish. Size, 2½x4½" dia. Wt., 10 oz.

58 B 8380, 1-11.....Each 2.96 12-up.....Each 2.63

Model 22501 Bell Timer. Attractively styled spring-driven timer. Times intervals up to 60 minutes with loud, clear bell tones. Excellent for kitchen, office or laboratory. Stands on a table or easily mounts on a wall. Beige plastic finish. Size, 2x2x2". 10 oz.

58 B 8258, 1-11.....Each 4.45 12-up.....Each 3.95

Series 78100 Time Switches. Turn-off devices after preset time. Have AC receptacle. 3-Pol timing devices, enlargers, etc.; adjustable stop for repeat settings; has "hold" feature. Rated 10 A, 125 VAC. 3½x3½x3½". For 110-120 V, 60 Hz AC. Wt., 1 lb.

Stock No.	Type	Maximum Setting	Each, 1-11	Each, 12-up
58 B 8264	78174*	30 Seconds	7.13	6.33
58 B 8265	78104	30 Minutes	6.71	5.97
58 B 8263	78105	60 Minutes	6.71	5.97
58 B 8266	78126	12 Hours	6.71	5.97

Standard-Built-in Time Switches. Easily set for "off-type" or "on-type" use. Easy to install. With hardware. Rated at 20 amps, 125-240 VAC. U.L. Listed.

Stock No.	Type	Timing Range	Dia. x Depth	Lbs.	EACH
58 B 8259	74701	0 to 15 min.	2½"ex1½"ex 1½"	1	6.38
58 B 8261	74702	0 to 30 min.		1	6.38
58 B 8268	74703	0 to 60 min.		1	6.38

MODEL TEC-4 "ALL IN ONE" TIME SWITCH

- Consists of Time Switch, Extension Cord, 3-Way AC Outlet
- Automatically Turns Off Devices After Up to 4 Hours
- Convenient "Hold" Feature • Rated 10 Amps, 125 VAC

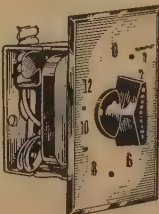
Ideal for controlling TV sets, lamps, radios, etc. Insert plug into any wall outlet; plug up to 3 devices into outlet; and set knob for desired time cycle up to 4 hrs. After predetermined time has passed, switch automatically shuts devices off. In "hold" position, devices remain in operation. SPST switch, rated 10 amps, 125 VAC. Cream base; brass-finished dial plate. Has 5½-foot cord. For 110-120 V, 60 Hz. AC. Shpg. wt., 1 lb.

58 B 8291, 1-11.....Each 5.21 12-up.....Each 4.63

WALL-BOX TIME SWITCHES

Fit std. wallbox. Automatically turn off devices after preset time. 20 amps, 125 V. "Hold" feature for continuous use. C.S.A. Listed. 110-120 V, 60 Hz. AC. 9 oz.

Stock No.	Mfr's Type	Max. Setting	Each, 1-11	Each, 12-up
58 B 8269	90004	5 Minutes	5.63	5.00
58 B 8270	90005	15 Minutes	5.63	5.00
58 B 8274	90006	30 Minutes	5.63	5.00
58 B 8275	90021*	3 Minutes	5.63	5.00
58 B 8276	90024*	60 Minutes	5.63	5.00
58 B 8277	90015*	12 Hours	5.63	5.00



Littelfuse Fuses and Accessories

TYPE 3AG SLO-BLO FUSES

Series 313000. Have high time-lag to withstand heavy surges yet blow quickly on short-circuits. Excellent where high inductive or capacitive surges or heavy starting currents are present. Blowing specifications: 110% of rating, 4 hrs. minimum; 135%, 1 hour maximum; 200%, 5 seconds minimum. Employ anti-flicker construction with spring and resistor. Fuses rated up to 5 amperes are U.L. Component Program-Recognized. All are rated at 125 volts maximum except *32 volts maximum. Size, 1/4x1/4". 2 oz. 5 FUSES PER PACKAGE.



Amperes	Stock No.	5 PER PACKAGE	Amperes	Stock No.	5 PER PACKAGE
1/100	57 B 3073	1.44	12/10	57 B 3643	.99
1/32	57 B 3074	1.44	1-1/4	57 B 3090	.99
1/16	57 B 3075	1.05	1-1/2	57 B 3091	.99
1/10	57 B 3076	1.05	1-6/10	57 B 3092	.99
1/8	57 B 3077	1.05	2	57 B 3093	.99
15/100	57 B 3078	1.05	2-1/2	57 B 3094	.75
.175	57 B 3079	1.05	2-8/10	57 B 3099	.75
3/16	57 B 3080	1.05	3	57 B 3095	.75
2/10	57 B 3081	1.05	3-2/10	57 B 3096	.75
1/4	57 B 3082	1.05	4	57 B 3097	.75
3/10	57 B 3083	1.05	5	57 B 3098	.75
3/8	57 B 3084	1.05	6-1/4*	57 B 3100	.75
4/10	57 B 3641	1.05	7*	57 B 3644	.75
1/2	57 B 3085	1.05	8*	57 B 3101	.75
6/10	57 B 3086	1.05	10*	57 B 3102	.75
7/10	57 B 3642	1.05	15*	57 B 3103	.75
3/4	57 B 3087	1.05	20*	57 B 3104	.75
8/10	57 B 3088	1.05	25*	57 B 3105	.75
1	57 B 3089	1.05	30*	57 B 3106	.75

3AG INDICATING FUSES

Series 334000. Medium-acting fuses employ a silver plated pin which extends from end when fuse is blown. Pin acts as a visual indication or may be used to actuate an alarm or light. All types carry 110% of rating 4 hours minimum; 135%, 1-hour maximum. 2 oz. 5 FUSES PER PKG.



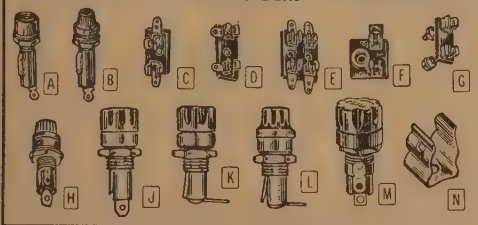
Amperes	Stock No.	5 PER PACKAGE	Amperes	Stock No.	5 PER PACKAGE
3/4	57 B 3200	2.16	6	57 B 3207	2.34
1	57 B 3201	1.68	8	57 B 3208	2.34
1-1/2	57 B 3202	1.68	10	57 B 3209	2.34
2	57 B 3203	1.68	12	57 B 3210	2.34
3	57 B 3204	1.68	15	57 B 3211	2.34
4	57 B 3205	1.68	20	57 B 3213	2.34
5	57 B 3206	1.68			

FUSEMASTER RACK ASSORTMENT

Plastic rack displays 300 fuses. Includes 100 fuses, inventory control backboard, pressure-sensitive blank inventory labels, mounting screws. Includes: TYPE 3AG—ten 1/4-amp, ten 1/2-amp, five 1-amp, five 2-amp, five 5-amp. TYPE 3AG SLO-BLO—ten 1/4-amp, five 1/2-amp, five 1-amp, five 2-amp, five 3-amp, ten 5-amp. TYPE C—ten 3/10-amp. TYPE N—five 3/10-amp, five 4/10-amp, five 1/2-amp. 57 B 3071. Shpg. wt., 2 lbs. 13.67



FUSE HOLDERS



MILITARY—MIL-F-19207A (*RF Shield)

Stock No.	Mfr's Type	MIL No.	Fig.	Post Description	EACH
57 B 3677	342025	FHN20G	K	3AG miniature	1.28
57 B 3676	342024	FHN26G	H	3AG miniature	1.24
57 B 3052	342055	FHN26G*	H	3AG miniature	4.20
57 B 3678	342021	FHN26W	M	3AG waterproof	4.10
57 B 3680	372003	FHN31G	B	8AG extractor	2.50

TYPE 3AG STANDARD FUSES

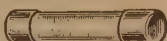
Quick-acting types for short time-lag applications. Ideal for radios, amplifiers, transmitters, etc. Diagonal alignment of fuse element assures accurate blowing even when element is expanded by heat. Completely unaffected by high operating temperatures. Blowing specifications: 110% of rating, 4 hours min.; 135%, 1-hour max.; 200%, 10 sec. max. U.L. Component Program-Recognized. Rated 250 V max. except *125 V and 332 V. 1/4x1/4". 2 oz. 5 FUSES PER PKG.



Amperes	Stock No.	5 PER PACKAGE	Amperes	Stock No.	5 PER PACKAGE
1/100	57 B 3600	1.92	2	57 B 3119	.30
1/32	57 B 3601	1.68	2-1/2	57 B 3657	.28
1/16	57 B 3107	.75	3	57 B 3120	.28
1/8	57 B 3108	.75	4	57 B 3121	.39
15/100	57 B 3654	.75	5	57 B 3122	.39
3/16	57 B 3110	.75	6	57 B 3125	.39
2/10	57 B 3656	.75	8*	57 B 3126	.60
1/4	57 B 3111	.51	4†	57 B 3703	.28
3/10	57 B 3112	.51	5†	57 B 3704	.20
3/8	57 B 3113	.51	6†	57 B 3709	.20
1/2	57 B 3114	.51	7-1/2†	57 B 3710	.20
6/10	57 B 3115	.51	10†	57 B 3705	.20
3/4	57 B 3116	.51	15†	57 B 3706	.20
1	57 B 3117	.30	25†	57 B 3707	.23
11/2	57 B 3118	.30	30†	57 B 3708	.23

TYPE 3AB MEDIUM LAG FUSES

Series 314000. Steatite enclosed, arc-quenching, powder-filled fuses. Smallest U.L. Component Program-Recognized units in these high ratings. Medium-time-lag. Shatter-proofed against quick shorts. For amplifiers, etc. Maximum volts 250, except *125. 1/4x1/4". Wt., 2 oz. 5 PER PKG.



1/8	57 B 3711	.69	5	57 B 3719	.63
1/4	57 B 3712	.69	6	57 B 3720	.63
3/8	57 B 3713	.69	8	57 B 3721	.63
1/2	57 B 3714	.69	10	57 B 3722	.63
3/4	57 B 3715	.69	12	57 B 3723	.66
2	57 B 3716	.66	15	57 B 3724	.66
2	57 B 3717	.66	20*	57 B 3725	.66
3	57 B 3718	.66	25*	57 B 3726	.81

TYPE 8AG FAST-ACTION INSTRUMENT FUSES

Series 361000. Reliable efficiency and high speed action of these fuses make them ideal for protecting delicate equipment—ammeters, wattmeters, radio "B" circuits, small rectifier and power tubes. 250-volt maximum except *125 volts. 1x1/4". Av. shpg. wt., 2 oz. 5 PER PKG.



Amperes	Stock No.	5 PER PACKAGE	Amperes	Stock No.	5 PER PACKAGE
1/500	57 B 3214	5.16	3/8	57 B 3221	.51
1/200	57 B 3215	2.16	1/2	57 B 3222	.51
1/100	57 B 3216	1.92	1	57 B 3224	.33
1/32	57 B 3217	1.68	1 1/2	57 B 3225	.33
1/16	57 B 3218	1.05	2	57 B 3235	.33
1/10	57 B 3658	.75	3	57 B 3236	.33
1/8	57 B 3219	.75	5*	57 B 3237	.33
1/4	57 B 3220	.51			

INDUSTRIAL—FOR 3AG AND 3AB

Fuse mounting accessories. Provide the quickest, safest, and simplest methods to mount and change fuses. Av. shpg. wt., 2 oz.

Stock No.	Mfr's Type	Fig.	Description	EACH
57 B 3000	341001	A	Screw slot	.50
57 B 3001	342001	B	Thumb knob	.50
57 B 3002	342012	H	Extractor post	.37
57 B 3003	342014	J	Miniature fuse post	.37
57 B 3004	342004	K	Miniature fuse post	.44
57 B 3005	342022	L	Miniature fuse post	.42
57 B 3006	350218	D	Single fuse mounting	.16
57 B 3007	353001	G	Panel-type mounting	.48
57 B 3008	356001	C	Screw terminals	.34
57 B 3009	357001	C	Lug terminals	.16
57 B 3010	357002	E	Double fuse mounting	.33
57 B 3238	101001	N	Phosphor bronze clips	.02

FOR 8AG

57 B 3013	372001	B	Thumb knob	.50
57 B 3014	383002	F	"Meter-back" mounting	.32
57 B 3015	387001	C	Lug terminals	.16
57 B 3016	387002	E	Double fuse mounting	.32

Dialco Pilot Light Assemblies, Switches, Indicators

LIGHT ASSEMBLIES AND PUSHBUTTON SWITCHES



LOW-V ENCLOSED SIGNAL ASSEMBLIES

A Series 81-9110, Convex lens, smooth face, frosted glass. *Translucent, unfrosted. Solder terminals. Less lamp. Shpg. wt. 2 oz.

Stock No.	Type	Color	EACH
60 B 7780	-0111-102	Red	.82
60 B 7781	-0112-102	Green	.82
60 B 7782	-0113-102	Amber	.82
60 B 7786	-0114-102	Blue	.82
60 B 7785	-0135-102*	White	.82

HALF-INCH OPEN MIN. BAYONET TYPES

B Series 502-8140. Have 1/2" lens and 1/16" mounting hole. Faceted and unfrosted. Less lamp. Shpg. wt. 2 oz.

Stock No.	Type	Color	EACH
60 B 7889	-2131-100	Red	.63
60 B 7890	-2132-100	Green	.63
60 B 7891	-2133-100	Amber	.63

T-3/4 LAMPS FOR ABOVE

Single-contact miniature bayonet lamps for Series 81-9110 and 502-8140. Shpg. wt. 2 oz.

Stk. No.	V.	EA.	Stk. No.	V.	EA.
60 B 7366	-6-8	.15	60 B 7341	-28	.30
60 B 7316	-3.2	.18	60 B 7361	-12-16	.20

ENCLOSED NEON LIGHT ASSEMBLIES

Series 95-9108* and 95-9163*. With built-in 56K resistor for NE-51, 110-125 V circuit; or 22K for NE-51H high-brightness neon glow lamp, 110-125 V AC or DC. 2½" long. 1/16" mtg. hole. *Solder terminals. †Screw terminals. *U.L. Recog. Less lamp. 2 oz.

Stock No.	FOR	Type	Color	EA.
60 B 7838	*NE-51	-0931-142	Red	.87
60 B 7839	*NE-51	-0932-142	Amber	.87
60 B 7840	*NE-51	-0935-142	White	.87
60 B 7841	*NE-51	-0937-142	Clear	.87
60 B 7697	*NE-51H	-0931-112	Red	.87
60 B 7698	*NE-51H	-0933-112	Amber	.87
60 B 7699	*NE-51H	-0935-112	White	.87
60 B 7732	*NE-51H	-0937-112	Clear	.87
60 B 8534	NE-51H Lamp. Wt., 2 oz.			.20
60 B 8535	NE-51H Lamp. Wt., 2 oz.			.22

LENS CAPS FOR ASSEMBLIES, SWITCHES AND INDICATORS



514-0512 514-1012 81 31

SERIES 5012 AND 1012

PANEL-MOUNTING LENS CAPS

Panel-mounting lens caps are 3/4" long. Require 1/16" behind panel. Mounting holes: Series 5012, 3/32" thread; Series 1012, 1/16"-27 thread. Shpg. wt. 2 oz.

Stock No.	Mfr's Type	1012	5012	Color	EA.
60 B 8018	1012-2132-102	1/16"	Red	-18	.16
60 B 8019	1012-2132-102	1/16"	Green	-18	.16
60 B 8020	1012-2132-102	1/16"	Amber	-18	.16
60 B 8023	0512-2132-102	1/16"	Red	-18	.16
60 B 8024	0512-2132-102	1/16"	Green	-18	.16
60 B 8025	0512-2132-102	1/16"	Amber	-18	.16
60 B 8026	0512-0434-102	1/16"	Blue	-18	.16
60 B 8027	0512-0435-102	1/16"	White	-18	.16

1/2" LENS CAPS FOR PUSHBUTTON SWITCHES AND INDICATOR LIGHT



Round rotatable types permit alignment after installation. Keyed square types push on for permanent positioning. Have solid-color translucent face and sides. High-strength plastic lens. Shpg. wt., 2 oz.

ENCLOSED NEON LIGHT ASSEMBLIES

Series 95-9110. Same as 95-9163, below left. Series 95-9163. 1/16" min. bayonet lenses. Solder terminals. 2 oz.

Stock No.	Type	Color	EACH
60 B 7846	-0931-102	Red	.73
60 B 7847	-0932-102	Green	.73
60 B 7848	-0933-102	Amber	.73
60 B 7850	-0935-102	White	.73

OPEN TYPES—FACETED JEWEL LENSES

C Series 502-1015, 502-1024, 1/2" lens. Min. screw for T-3/4 bulb; bayonet (not illus.). T-3/4 bulb. 1/16" clearance hole. 2 oz.

Color	502-1015 Min. Screw	502-1024 Bayonet
Red	60 B 7938	60 B 7940
Green	60 B 7941	60 B 7943
Amber	60 B 7944	60 B 7946

Any Color.....Each .34

D Series 502, 1/2" lens. For T-3/4 bulb. 1/16" clearance hole. *Not illus. 2 oz.

Color	Min. Screw	Bayonet	EACH
	-8137	-8136	
Red	60 B 7966	60 B 7967	.50
Green	60 B 7968	60 B 7969	.50
Amber	60 B 7970	60 B 7971	.50
Blue		60 B 7972	.50
White		60 B 7992	.50

E Series 502, 1" jewel. 3241 requires T-3/4 bulb; -3214, S6 bulb. 1" clearance hole. *Not illustrated. Shpg. wt., 2 oz.

Color	-3214 Cand.*	-3241 Bay.
Red	60 B 7975	60 B 7947
Green	60 B 7976	60 B 7948
Amber	60 B 7977	60 B 7949

Any Color.....Each .88

Lamps for Above. *Miniature Screw. †Candelabra. ‡Bayonet. Wt., 2 oz.

Stock No.	V	EA.	Stock No.	V	EA.
60 B 7317	*6-8	.15	60 B 7363	-24	.28
60 B 7355	*12-16	.26	60 B 7366	-16-8	.15
60 B 7329	*13.5	.46	60 B 7361	-112-16	.20

SERIES 31 AND 81 LENS CAPS

Series 31. For 502-3228, 312001, and 31-3101 pilot light assemblies. Polished chrome. *Convex lens (frosted on back). †Faceted. 2 oz.

Color	Stock No.	Mfr's Type*	Stock No.	Mfr's Type†
Red	60 B 7999	-0111-300	60 B 8006	-0431-300
Green	60 B 8000	-0112-300	60 B 8007	-0432-300
Amber	60 B 8001	-0113-300	60 B 8008	-0433-300
Clear	60 B 8005	-0117-300	60 B 8012	-0437-300

Any Color.....Each .62

Series 81. For 81-9110, 815190 and 502-8140 pilot light assemblies. White-nickel lens holders. Convex lens (frosted on back). 3 oz.

Stock No.	Mfr's Type	Color	EACH
60 B 8040	0111-100	Red	.28
60 B 8041	0112-100	Green	.28
60 B 8042	0113-100	Amber	.28
60 B 8044	0135-100	White	.28

115-V ONE-INCH MOUNT-ASSEMBLY

F Series 502-3228. Open type. Faceted jewel. Chromed solid-brass holder. Candelabra screw socket. Less lamp, below. 2 oz.

Stock No.	Type	Color	Stock No.	Type	Color
60 B 7860	-0431	Red	60 B 7862	-0433	Amber
60 B 7861	-0432	Green			

Any Color.....Each .98

G Series 32-2901. Enclosed. Frosted black phenolic; brass. Chromed. Cand. base. *U.L. Recog. Less lamp, below. 3 oz.

Stock No.	Type	Color	EACH
60 B 7934	0111-302	Red	1.74
60 B 7935	0112-302	Green	1.74
60 B 7936	0113-302	Amber	1.74
60 B 7937	0117-302	Clear	1.74
60 B 7866	0135-302	White*	1.74

H Series 32-3101. Enclosed. Faceted. Black phenolic; brass. Chromed. Cand. base. *U.L. Recog. Less lamp, below. 2 oz.

Stock No.	Type	Color	EACH
60 B 7928	-0431-302	Red	1.46
60 B 7929	-0432-302	Green	1.46
60 B 7930	-0433-302	Amber	1.46
60 B 7931	-0434-302	Blue	1.46
60 B 7932	-0435-302	White	1.46
60 B 7931	-0437-302	Clear	1.46

60 B 8543. 6S6-125V Lamp. 2 oz. ... Ea. 2

ILLUMINATED PUSHBUTTON SWITCHES

J Mount in 1/2" dia. hole from rear in panel up to 3/16" thick. All are momentary action rated 3 A., 125 VAC, 30, 50 VDC. Silver contacts. 1/2" 138 and 184 Series lens caps, bottom left, and T-1/4 lamp, below. 3 oz.

Stock No.	Type	Action	EACH
60 B 8850	513-0101-604	SPST N.O.	3.12
60 B 8851	513-0201-604	SPST N.C.	3.12
60 B 8852	513-0301-604	SPDT	3.45

INDICATOR LIGHT



Type 183-9830-14-604. Matches switches above. Front or rear mtg. in 1/2" dia. hole. Less round or square 1/4" lens caps, listed bottom left; T-1/4 lamp below. 2 oz.

60 B 8856.....Each 1.0

913 NEON PUSHBUTTON SWITCHES

K SPST, N.O., momentary contact. Gold-plated contacts, 0.1 amp @ 125 VAC; 0.1 amp @ 30 VDC, noninductive. Rear-mtg. 3/8" hole clearance. Solder terminals. Non-replaceable lamp. For 110-125 V, *AC-DC (with 56K res.); †AC (with 22K res.), and high brightness 2 oz.

Z oz.				
Stock No.	Type 913	Color	EACH	
60 B 9029	1152-1631-523*	Red	1-9,	
60 B 9030	1152-1633-523*	Amber	2.84	
60 B 9031	1152-1635-523*	White		
60 B 9032	1152-1637-523*	Clear	10-24,	
60 B 9033	1155-1631-523†	Red	2.59	
60 B 9034	1155-1633-523†	Red Amber		
60 B 9035	1155-1635-523†	White	25-99,	
60 B 9036	1155-1637-523†	Clear	2.37	

G.E. T-1/4 LAMPS

For illuminated pushbutton switches and indicator light, above. *50,000-hour types. 2 oz.

Stock No.	Type	Volts	Amps	EACH
60 B 7147	338	2.7	.06	.89
60 B 7376	345	6.0	.04	1.54
60 B 7343	328	6.0	.20	1.54
60 B 7400	380*	6.3	.04	1.85
60 B 7401	381*	6.3	.20	1.17
60 B 7375	344*	10	.014	1.54
60 B 8900	367	10	.04	1.61
60 B 7374	330	14	.08	1.78
60 B 7402	382*	14	.08	1.34
60 B 7342	327	28	.04	.70

Pilot and Indicator lights; Lamp Sockets

DIALCO INDICATORS

NEON INDICATORS WITH BUILT-IN RESISTORS

A Series 52-0463†. For T-3½ neon lamp. Same as Series 95-9108, but with shaded stovepipe lens. Meets MIL-L-3661. Solder terminals. *Series 52-0408 has built-in 50K resistor for NE-51 lamp; add suffix -212. *Series 52-0463 has built-in 22K resistor for NE-51H high-brightness lamp; add suffix -211. Av. shpg. wt., 2 oz.




Lens Color	NE-51* Stock No.	NE-51H† Stock No.	Mfr's Type	EACH
Red	60 B 7806	60 B 7810	-0991-	1.26
Amber	60 B 7807	60 B 7811	-0993-	1.26
White	60 B 7808	60 B 7812	-0995-	1.26
Clear	60 B 7809	60 B 7813	-0997-	1.26

Series 52-1308*, 52-1363†. As above, but with screw terminals.

Lens Color	NE-51* Stock No.	NE-51H† Stock No.	Mfr's Type	EACH
Red	60 B 7814	60 B 7818	-0991-	1.34
Amber	60 B 7815	60 B 7819	-0993-	1.34
White	60 B 7816	60 B 7820	-0995-	1.34
Clear	60 B 7817	60 B 7821	-0997-	1.34

B Series 95-0408*, 95-0463†. For T-3½ neon lamp. Meet MIL specs. Smooth stovepipe lens. 110-125V, AC-DC. Black nickel finish. 2½" long. *U.L. Recognized. C.S.A. Listed. Solder terminals. *Prefix 95-0408 for NE-51; add Suffix -211. *Prefix 95-0463 for NE-51H; add Suffix -211. Av. shpg. wt., 2 oz.

Lens Color	NE-51* Stock No.	NE-51H† Stock No.	Mfr's Type	EACH
Red	60 B 7822	60 B 7826	-0931-	1.26
Amber	60 B 7823	60 B 7827	-0933-	1.26
White	60 B 7824	60 B 7828	-0935-	1.26
Clear	60 B 7825	60 B 7829	-0937-	1.26

C Series 95-9108*, 95-9163†. Same as Series 95-0408 above, but with plastic head and phenolic body. *U.L. Recognized. Solder terminals. *Use Prefix 95-9108 for NE-51 lamp; add Suffix -112. *Prefix 95-9163 for NE-51H lamp; add Suffix -112. For 110-125 V, AC-DC. Av. shpg. wt., 1 oz.

Lens Color	NE-51* Stock No.	NE-51H† Stock No.	Mfr's Type	EACH
Red	60 B 7838	60 B 7897	-0931-	.87
Amber	60 B 7839	60 B 7898	-0933-	.87
White	60 B 7840	60 B 7899	-0935-	.87
Clear	60 B 7841	60 B 7899	-0937-	.87

LEECRAFT LAMPHOLDER ASSEMBLIES

Sturdy lampholder assemblies for every requirement. Each assembly consists of a socket and bracket. Table below indicate which sockets and brackets combine to make up each lampholder. Av. shpg. wt., 5 oz.

Series 2-00. Miniature bayonet sockets with insulating sleeves. .025 to .032" steel brackets; cadmium-plated. Built-in #22 wire leads.

Stock No.	Type	Socket	Bracket	EACH
60 B 8054	2-01	C	T	.25
60 B 8055	2-02	D	T	.30
60 B 8056	2-06	C	N	.30
60 B 8057	2-13	C	C	.35
60 B 8058	2-15	C	F	.35

Series 4-00. Candelabra screw sockets in molded bakelite. #18 black and white wire, 6" long with ends stripped ½". For both incandescent and neon glow lamps.

Stock No.	Type	F	T	R	EACH
60 B 8066	4-01	F	F	R	.40
60 B 8068	4-05	F	F	R	.40
60 B 8069	4-06	F	F	R	.40
60 B 8070	4-08	F	F	R	.40

Series 5-00. Miniature screw sockets. Tinned solder terminals. For low-voltage incandescent lamps. Cadmium-plated steel brackets.

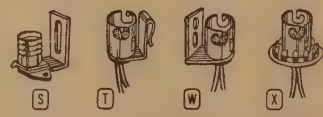
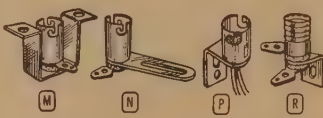
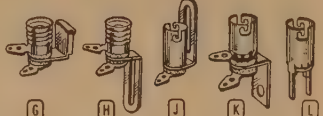
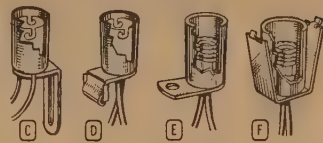
Stock No.	Type	G	T	R	EACH
60 B 8072	5-01	G	T	R	.25
60 B 8073	5-04	G	T	R	.25
60 B 8074	5-05	G	T	R	.25
60 B 8075	5-06	G	T	R	.25
60 B 8076	5-07	G	NONE	N	.25
60 B 8077	5-08	G	NONE	N	.25
60 B 8078	5-13	G	NONE	N	.25

Series 6-00. Candelabra sockets. Tinned solder terminals. .025 to .032" steel brackets; cadmium-plated for corrosion resistance. For G6, S6 incandescent lamps.

Stock No.	Type	H	T	D	EACH
60 B 8080	6-01	H	T	D	.30
60 B 8081	6-04	H	T	D	.30
60 B 8082	6-05	H	T	D	.30
60 B 8083	6-06	H	T	D	.30
60 B 8084	6-07	H	NONE	N	.30
60 B 8085	6-08	H	NONE	N	.30
60 B 8086	6-11	H	NONE	N	.30
60 B 8087	6-13	H	NONE	N	.30

Series 7-00. Miniature bayonet sockets with solder terminals for low-voltage incandescent lamps as T-3½, G-3½, and G-4½. *Designed for printed circuits.

Stock No.	Type	M	T	D	EACH
60 B 8089	7-01	M	T	D	.30
60 B 8090	7-04	M	T	D	.30
60 B 8091	7-05	M	T	D	.30
60 B 8092	7-06	M	T	D	.30
60 B 8093	7-07	M	NONE	N	.30
60 B 8094	7-08	M	NONE	N	.30
60 B 8095	7-11	M	NONE	N	.30
60 B 8096	7-13	M	NONE	N	.30
60 B 8097	7-15	M	NONE	N	.30
60 B 8098	7-20	K	NONE	N	.30
60 B 8099	7-35	L	NONE	N	.30



Series 11-200. Single-contact candelabra bayonet socket with one wire lead. Comes with #18 wire and .035 to .042" thick steel brackets; cadmium-plated for high corrosion resistance.

Stock No.	Type	Socket	Bracket	EACH
60 B 8100	11-21	P	W	.35
60 B 8101	11-22	P	P	.35

Series 12-200. Double-contact candelabra bayonet sockets. Contacts are mounted in a bakelite disk and separated by small coils. Disk is spring loaded to assure positive contact. Can be used with incandescent and neon glow lamps as NE-48, S6, and 10C7. *Plug in bracket. *U.L. Recognized. C.S.A. Listed.

Stock No.	Type	T	E	X	W	EACH
60 B 8102	12-201	T	T	E	X	.45
60 B 8104	12-212	T	T	E	X	.45
60 B 8105	*12-240	X	X	X	X	.45
60 B 8106	12-271	W	W	P	X	.45
60 B 8107	12-272	P	P	P	X	.45

LEECRAFT NEON PILOT LIGHTS AND INDICATORS

NEON INDICATOR LIGHTS

Rectangular neon indicator lights—excellent for new equipment design or for modernizing existing equipment. White nylon housing with chromed bezel. Have 6" insulated leads. Require 1.281x.395" mtg. hole. Series resistor supplied. Rated ½ watt at 125-250 volts. Size, 1½"x1½"x½". Shpg. wt., 5 oz.

SERIES 31—110-125 VOLTS

Stock No.	Type	Color	EACH
60 B 8508	31-2111	Red	.80
60 B 8509	31-2113	Amber	.80
60 B 8511	31-2115	White	.80

SNAPLITE NEON PILOT LIGHTS

Snap into ½"-diameter holes in panels of any thickness without additional hardware. White nylon housing contains long-life neon lamp and built-in resistor for proper circuit voltage. ½" watt. Series 32 is for 110-125 volts; Series 35 is for 210-250 volts. Plastic lens caps for 110-200°C. Series 32 has up to 15,000-hour life; Series 35, up to 25,000 hours. *U.L. Recognized. 5 oz.

CYLINDRICAL-CAP TYPES

Stock No.	Mfr's Type	Color	EACH
60 B 7921	32-2111	Red	.75
60 B 7922	32-2113	Amber	.75
60 B 7923	32-2117	Clear	.75
60 B 8124	32-2115	White	.75
60 B 7925	35-2111	Red	.75
60 B 7926	35-2113	Amber	.75

DOME-CAP TYPES

Stock No.	Mfr's Type	Color	EACH
60 B 7758	32-2211T	Red	.75
60 B 7783	32-2213T	Amber	.75
60 B 7892	32-2215T	Clear	.75
60 B 7911	32-2217T	White	.75

FLUSH-CAP TYPES

Stock No.	Mfr's Type	Color	EACH
60 B 7982	32-2311	Red	.75
60 B 7983	32-2313	Amber	.75
60 B 7984	32-2317	Clear	.75
60 B 7985	32-2317	White	.75
60 B 7986	32-2311T	Red	.75
60 B 8749	32-2313T	Amber	.75

"TINEON" INDICATORS

Extremely long-life, high-brightness neon indicator lights press-fit quickly and firmly into ¾"-diameter holes. Have durable nylon housing and plastic lens. Lamp housing is 1½" long. Complete with speed nut for maximum securing, lamp and built-in resistor to suit the applied circuit voltage and ensure maximum lamp life. Rated 110-125 volts. Have #18 gauge insulated wire leads, 6" long. *U.L. Recognized. C.S.A. Listed. Shpg. wt., 5 oz.

STANDARD BEZEL TYPES

Stock No.	Mfr's Type	Color	EACH
60 B 8698	36N-2311	Red	.70
60 B 8699	36N-2313	Amber	.70
60 B 8700	36N-2315	White	.70
60 B 8701	36N-2317	Clear	.70

ALUMINUM-BEZEL HI-HAT-LENS TYPES

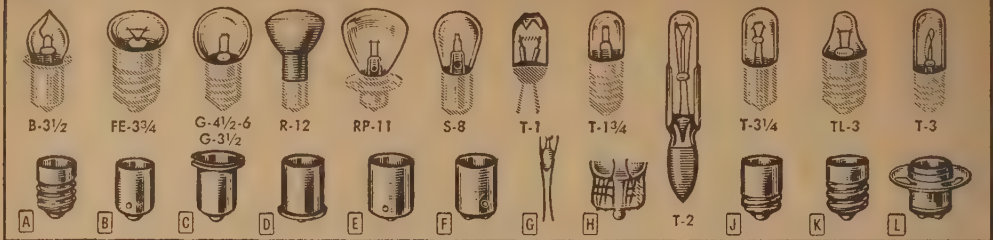
Stock No.	Mfr's Type	Color	EACH
60 B 7000	36EN2111	Red	.85
60 B 7048	36EN2113	Amber	.85
60 B 7052	36EN2115	White	.85
60 B 7053	36EN2117	Clear	.85

ALUMINUM-BEZEL FLUSH-LENS TYPES

Stock No.	Mfr's Type	Color	EACH
60 B 7066	36EN2311	Red	.85
60 B 7068	36EN2313	Amber	.85
60 B 7069	36EN2315	White	.85
60 B 7498	36EN2317	Clear	.85



General Electric Miniature, Subminiature Lamps



ABBREVIATIONS USED TO DESCRIBE BASE AND BULB STYLES

BASES: D.C. Bay., double-contact bayonet. D.C. Pref., double-contact, prefocused. Mid. Screw, midget screw. Min. Bay., miniature bayonet. S.C. Bay., single-contact bayonet. S.C., F., single-contact, flanged.

S.C. Mid., F., single-contact midget, flanged. Tel. Slide, telephone slide. BULBS: B, lemon. G, globe. FE, flat end. R, reflector. S, straight end. T, tubular. TL, lens end, tubular.

GENERAL-PURPOSE MINIATURE LAMPS

Numbers in Bulb Style indicate bulb diameter in eighths of an inch. Example: S 8 is 8/8ths, or 1" in diameter. *Switchboard slide-type base. †Similar to bulb TL-3; ‡Similar to bulb G-4 1/2. Wt., 2 oz.

Stock No.	Mfr's Type	Volts	A	Base Fig.	Style	Bulb Style	EA.	PKG. OF 10
60 B 7300	PR-2	2.4	.50	C	S.C., F.	B-3 1/2	.20	1.23
60 B 7301	PR-3	3.6	.50	C	S.C., F.	B-3 1/2	.20	1.23
60 B 7302	PR-4	2.3	.27	C	S.C., F.	B-3 1/2	.20	1.23
60 B 7303	PR-6	2.47	.30	C	S.C., F.	B-3 1/2	.20	1.23
60 B 7305	PR-12	5.95	.50	C	S.C., F.	B-3 1/2	.20	1.23
60 B 7306	PR-13	4.75	.50	C	S.C., F.	B-3 1/2	.20	1.23
60 B 7367	6	6.4	.30	F	D.C. Bay.	S-8	.36	2.11
60 B 7307	12	6.3	.15		Min. 2-pin	S-8	.25	1.51
60 B 7308	13	3.7	.30	A	Screw	G-3 1/2	.17	1.05
60 B 7309	14	2.5	.30	A	Screw	G-3 1/2	.17	1.05
60 B 7310	24E	24	.035	*	Tel. Slide*	T-2	.63	4.30
60 B 7369	24X	24	.035	*	Tel. Slide*	T-2	.63	4.30
60 B 7312	39	6.3	.36	E	S.C. Bay.	T-3 1/4	.36	2.01
60 B 7313	40	6.3	.15	A	Screw	T-3 1/4	.15	.86
60 B 7314	41	2.5	.50	A	Screw	T-3 1/4	.22	1.35
60 B 7315	43	2.5	.50	E	S.C. Bay.	T-3 1/4	.22	1.35
60 B 7366	44	6.8	.25	E	S.C. Bay.	T-3 1/4	.15	.86
60 B 7316	45	3.2	.35	E	S.C. Bay.	T-3 1/4	.18	1.13
60 B 7317	46	6.3	.25	A	Screw	T-3 1/4	.15	.86
60 B 7318	47	6.3	.15	E	S.C. Bay.	T-3 1/4	.15	.86
60 B 7319	48	2.0	.06	A	Screw	T-3 1/4	.22	1.35
60 B 7320	48C	48	.035	*	Tel. Slide*	T-2	.73	4.31
60 B 7321	49	2.0	.06	E	S.C. Bay.	T-3 1/4	.18	1.13
60 B 7322	50	6-8	1 c.p.	A	Screw	G-3 1/2	.16	.92
60 B 7323	51	6.8	1 c.p.	E	S.C. Bay.	G-3 1/2	.14	.84
60 B 7370	52	14.4	.10	A	Screw	G-3 1/2	.28	1.68
60 B 7324	53	14.4	.12	E	S.C. Bay.	G-3 1/2	.14	.84
60 B 7325	55	6.8	2 c.p.	E	S.C. Bay.	G-4 1/2	.14	.84
60 B 7326	57	14	2 c.p.	E	S.C. Bay.	G-4 1/2	.14	.84
60 B 7328	67	13.5	4 c.p.	E	S.C. Bay.	G-6	.18	1.07
60 B 7329	67K	13.5	4 c.p.	K	Candelabra	G-6	.46	2.66
60 B 7330	81	6-8	6 c.p.	E	S.C. Bay.	G-6	.22	1.33
60 B 7331	82	6-8	6 c.p.	F	D.C. Bay.	G-6	.22	1.33
60 B 9707	93	12.8	1.04	E	S.C. Bay.	S-8	.32	1.90
60 B 7332	112	1.2	.22	A	Screw	TL-3	.17	1.05
60 B 7337	137	6.3	.25	E	S.C. Bay.	G-3 1/2	.18	1.13
60 B 7338	157	5.8	1.10	A	Screw	G-6	1.06	6.32
60 B 7334	158	12	.24	H	Wedge	T-3 1/4	.21	1.21
60 B 7335	159	6.3	.15	H	Wedge	T-3 1/4	.22	1.34
60 B 7336	222	2.2	.25	A	Screw	TL-3	.17	1.05
60 B 7337	223	2.2	.25	A	Screw	FE-3 1/2	.20	1.23
60 B 7338	224	2.15	.22	J	Special	TL-3 1/4	.20	1.23
60 B 7339	233	2.3	.27	A	Screw	G-3 1/2	.20	1.23
60 B 7339	240	6.3	.36	E	S.C. Bay.	G-3 1/2	.22	1.34
60 B 7340	248	2.5	.80	A	Screw	IG-5 1/2	.28	1.68
60 B 7373	259	6.3	.25	H	Wedge	T-3 1/4	.20	1.23
60 B 7341	313	28	.17	E	S.C. Bay.	T-3 1/4	.30	1.80
60 B 6741	324	3	.19	G	Wire	T-1 1/4	.62	3.66
60 B 7342	327	28	.04	D	S.C. Mid.F.	T-1 1/4	.70	4.15
60 B 7343	328	6	.20	D	S.C. Mid.F.	T-1 1/4	.54	3.25
60 B 7374	330	14	.08	D	S.C. Mid.F.	T-1 1/4	.78	4.61
60 B 7145	331	1.35	.06	D	S.C. Mid.F.	T-1 1/4	.89	5.32
60 B 7146	334	28	.04	...	Mid.Groove	T-1 1/4	.77	4.03
60 B 6742	337	6	.20	...	Mid.Groove	T-1 1/4	1.65	9.65
60 B 7375	344	10	.014	D	S.C. Mid.F.	T-1 1/4	1.54	8.95
60 B 7376	345	6	.04	D	S.C. Mid.F.	T-1 1/4	1.54	9.30
60 B 6743	346	18	.04	...	Mid.Groove	T-1 1/4	1.34	7.99
60 B 7377	363	14	.20	E	S.C. Bay.	G-3 1/2	.22	1.34
60 B 8900	367X	10	.04	D	S.C. Mid.F.	T-1 1/4	1.65	9.65
60 B 8901	368	2.5	.20	D	S.C. Mid.F.	T-1 1/4	.77	4.61

GENERAL-PURPOSE MINIATURE LAMPS (Cont'd)

Stock No.	Mfr's Type	Volts	A	Base Fig.	Style	Bulb Style	EA.	PKG. OF 10
60 B 6744	370	18	.04	D	S.C. Mid.F.	T-1 1/4	1.34	7.99
60 B 6745	386	14	.08	...	Mid.Groove	T-1 1/4	1.34	7.99
60 B 7378	405	6.5	.50	A	Screw	G-4 1/2	.29	1.77
60 B 7379	406	2.6	.30	A	Screw	G-4 1/2	.23	1.41
60 B 7380	407	4.9	.30	A	Screw	G-4 1/2	.21	1.29
60 B 7344	425	5	.50	A	Screw	G-4 1/2	.20	1.23
60 B 7346	432	18.0	.25	A	Screw	G-4 1/2	.22	1.34
60 B 7347	433	18	.25	E	S.C. Bay.	G-4 1/2	.28	1.68
60 B 7383	509K	24	.18	K	Candelabra	G-6	.28	1.68
60 B 6600	1133	6	3.91	E	S.C. Bay.	RP-11	.41	2.42
60 B 7384	1381	12	20w	E	S.C. Bay.	R-12	2.79	16.74
60 B 7349	1445	18	.15	E	S.C. Bay.	G-3 1/2	.20	1.20
60 B 7350	1446	12	.20	A	Screw	G-3 1/2	.26	1.54
60 B 7351	1447	18.0	.15	A	Screw	G-3 1/2	.20	1.23
60 B 7353	1458	20	.25	E	S.C. Bay.	G-5	.28	1.68
60 B 7385	1474	14	.17	A	Screw	T-3	.36	2.15
60 B 7354	1477	24	.17	A	Screw	T-3	.55	3.32
60 B 7355	1487	12-16	.20	A	Screw	T-3 1/4	.26	1.54
60 B 7356	1488	14	.15	E	S.C. Bay.	T-3 1/4	.28	1.68
60 B 7357	1493	6.5	2.75	F	D.C. Bay.	S-8	1.08	6.45
60 B 7386	1630	6.5	2.75	L	D.C. Pref.	S-8	1.44	8.60
60 B 7359	1768	6	.20	A	Mid.Screw	T-1 1/4	.92	5.53
60 B 7388	1769	2.5	.20	A	Mid.Screw	T-1 1/4	.89	5.32
60 B 7360	1813	14.4	.10	E	S.C. Bay.	T-3 1/4	.26	1.54
60 B 7361	1815	12-16	.20	E	S.C. Bay.	T-3 1/4	.20	1.23
60 B 7389	1816	13	.33	E	S.C. Bay.	T-3 1/4	.24	1.46
60 B 7362	1819	28	.04	E	S.C. Bay.	T-3 1/4	.35	2.10
60 B 7363	1820	28	.10	E	S.C. Bay.	T-3 1/4	.31	1.86
60 B 7390	1822	36	.10	E	S.C. Bay.	T-3 1/4	.62	3.69
60 B 7391	1828	37.5	.05	E	S.C. Bay.	T-3 1/4	.67	4.00
60 B 7364	1829	28	.07	E	S.C. Bay.	T-3 1/4	.36	2.15
60 B 7392	1835	55	.05	E	S.C. Bay.	T-3 1/4	.67	4.00
60 B 7365	1847	6.3	.15	E	S.C. Bay.	T-3 1/4	.18	1.13
60 B 7596	1869D	10	.014	G	Wire	T-1 1/4	1.17	6.99

100,000-HOUR SUBMINIATURE LAMPS

Last about 12 years! Use where space is critical, service difficult. Solder-joined leads on wire types. 1/4x1/8" dia. *±20%, 1 oz.

Stock No.	Mfr's Type	Volts	A	Base Fig.	Style	Bulb Style	EA.	PKG. OF 10
60 B 7393	680	5	.060	G	Wire	TI	3.10	18.62
60 B 7394	682	5	.060	D	Sub.Mid.F.	TI	3.88	23.17
60 B 7395	683	5	.060	G	Wire	TI	3.10	18.62
60 B 7396	685	5	.060	D	Sub.Mid.F.	TI	3.88	23.17
60 B 7397	715	5	.115	G	Wire	TI	3.10	18.62
60 B 7399	2128	3	*.0125	G	Wire	TI	5.04	29.97

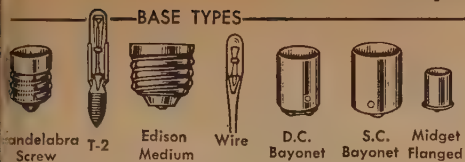
50,000-HOUR MINIATURE LAMPS

Design life is over 5 years - average life is 50,000 hours. Actual life is determined by environmental conditions: vibration, shock, temperature, voltage fluctuations. Numbers in Bulb Style indicate bulb diameter in eighths of an inch. Av. shpg. wt., 1 oz.

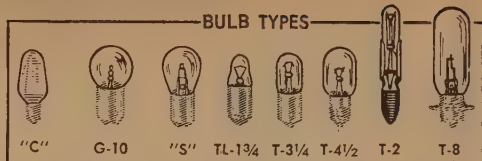
Stock No.	Mfr's Type	Volts	A	Base Fig.	Style	Bulb Style	EA.	PKG. OF 10
60 B 7400	380	6.3	.04	D	S.C. Mid.F.	T-1 1/4	1.85	11.27
60 B 7401	381	6.3	.20	D	S.C. Mid.F.	T-1 1/4	1.17	6.99
60 B 7402	382	14	.08	D	S.C. Mid.F.	T-1 1/4	1.34	7.99
60 B 7403	755	6.3	.15	B	Min. Bay.	T-3 1/4	.28	1.68
60 B 7404	756	14	.08	B	Min. Bay.	T-3 1/4	.36	2.01
60 B 7405	757	28	.08	B	Min. Bay.	T-3 1/4	.46	2.66
60 B 7406	2180D	6.3	.04	G	Wire	T-1 1/4	1.01	5.99
60 B 7407	2181D	6.3	.20	G	Wire	T-1 1/4	.55	3.32
60 B 7408	2182D	14	.08	G	Wire	T-1 1/4	.67	4.00

G.E. Lamps and Sockets

BASE TYPES



BULB TYPES



MINIATURE NEON-GLOW INDICATOR LAMPS

Withstand vibration, shock. For 150-600 V except $\pm 210-600$ V tDC. Screw types have series resistor in base for 105-125 V, others quire external resistor. In table, Sk. means skirted; D.C., double contact; S.C., single contact; Mid. Flange, midget flanged; Bay., yonnet; Cand., candelabra; others self-explanatory. *AC starting. DC starting V 40% more. t High brightness. Av. wt., 2 oz. ea.

Stock No.	Mfr's Type	Watts	*AC V	Bulb Style	Base	EACH
B 8516	A1B	1/25	65	T-2	Wire Term.	.13
B 8517	A1C	1/10	95	T-2	Wire Term.	.13
B 8518	NE-2	1/17	65	T-2	Wire Term.	.10
B 8519	NE-2D	1/15	65	T-2	S.C. Mid. Flange	.78
B 8520	NE-2E	1/15	65	T-2	Wire Term.	.10
B 8521	NE-2H	1/4	105	T-2	Wire Term.	.11
B 8522	NE-2J	1/4	105	T-2	S.C. Mid. Flange	.78
B 8523	NE-7	1/4	55	T-4 1/2	Wire Term.	.69
B 8524	NE-16	1/4	67	T-4 1/2	D.C. Bay. Cand.	.63
B 8525	NE-17	1/4	55	T-4 1/2	D.C. Bay. Cand.	.86
B 8526	NE-21	1/4	55	T-4 1/2	S.C. Bay. Cand.	.90
B 8527	NE-30	1	65	S-11	Edison	1.14
B 8528	NE-32	1	65	G-10	D.C. Bay. Cand.	1.14
B 8529	NE-34	2	65	S-14	Edison	1.76
B 8530	NE-40	3	60	S-14	Edison	2.56
B 8531	NE-42	3	60	S-14	Sk. D.C. Bay. Cand.	2.52
B 8532	NE-45	1/4	65	T-4 1/2	Cand. Screw	.81
B 8533	NE-48	1/4	65	T-4 1/2	D.C. Bay. Cand.	.67
B 8534	NE-51	1/25	65	T-3/4	S.C. Bay. Min.	.20
B 8535	NE-51H	1/25	65	T-3/4	S.C. Bay. Min.	.22
B 8536	NE-56	1	60	S-11	Edison	1.19
B 8537	NE-57	1/4	65	T-4 1/2	Cand. Screw	.94
B 8538	NE-58	1/2	65	T-4 1/2	Cand. Screw	.90
B 8929	NE-66	1/4	65	T-4 1/2	Cand. Screw	1.25
B 8930	NE-84	1/4	95	T-2	Special Tel. Slide	.64

MALLORY CIRCUIT BREAKERS

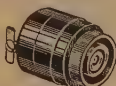
Stack-type circuit breakers available in ratings from 0.5 to 7.0 amperes to cover a wide variety of applications. Precision engineered, have "anti-heat" reset action; non-cycling, constant pressure. Temperature compensated. Tripping time within 10 seconds. Bushing mount. *Heavy-duty contacts. Shpg. wt., 3 oz.



Stock No.	Type CBB*	A	Stock No.	Type CBB*	A	EACH		
						1-24	25-49	50-99
B 3574	050	0.5	57 B 3579	200	2.0	.95	.84	.73
B 3575	075	0.75	57 B 3580	225	2.25	.95	.84	.73
B 3576	100	1.0	57 B 3581	250	2.5	.95	.84	.73
B 3577	150	1.5	57 B 3582	275	2.75	.95	.84	.73
B 3578	175	1.75	57 B 3583	300	3.0	.95	.84	.73
B 3584	325*	3.25	57 B 3588	450*	4.5	1.02	.91	.79
B 3585	350*	3.5	57 B 3589	500*	5.0	1.02	.91	.79
B 3586	375	3.75	57 B 3590	600*	6.0	1.02	.91	.79
B 3587	400*	4.0	57 B 3591	700*	7.0	1.02	.91	.79

MALLORY SONALERT AUDIBLE WARNING DEVICE

Solid-state miniature audible-signal warning device, emits a discernible signal at minimum current. Eliminates arcing and RF noise. *Pulsing sound output. 8 oz.



SPECIFICATIONS

Type	Freq.	Volts	mA	dB	Temp. F°
SC628	2.5 kHz	6-28DC	3-14	68-80	-40-130
SC628P*	2.5 kHz	6-28DC	3-14	65-77	-40-130
SC628H	4.5 kHz	6-28DC	3-14	68-80	-40-130
SC628A	2.5 kHz	6-28AC/DC	3-14	68-80	-40-130
SC110	2.5 kHz	110AC/DC	14	80	-40-130

ORDERING INFORMATION

Stock No.	Mfr's Type	1-24	25-49	50-99	100-249	250-499
60 B 8983	SC628	5.50	5.40	5.15	4.65	4.15
60 B 9745	SC628P*	9.95	9.75	9.30	8.40	7.45
60 B 8984	SC628H	6.35	6.25	5.95	5.40	4.80
60 B 8985	SC628A	8.75	8.60	8.20	7.40	6.60
60 B 8986	SC110	8.75	8.60	8.20	7.40	6.60

MINIATURE NEON-GLOW CIRCUIT CONTROL LAMPS

Rugged miniature T-2 bulbs with wire-terminal bases. A mild radioactive additive reduces breakdown voltage in darkness. Tinned 1" leads permit easy soldering. Av. shpg. wt., 2 oz. ea.

Stock No.	Mfr's Type	DC Start Volts	Design DC mA	EACH
60 B 7950	NE-23	60-90	.3	.16
60 B 7951	NE-76	68-76	.4	.50
60 B 7953	NE-83	60-100	10.0	.20
60 B 7954	NE-86	55-90	1.5	.16
60 B 7955	NE-96	120-150	.5	.20
60 B 7956	NE-97	110-140	.5	.20

ARGON GLOW LAMPS

Long-life lamps emit pale blue-violet light, near-ultraviolet radiation. Clear glass. Type AR-3 has average life of 1000 hours. AR-1 average life of 3000 hours. For 110-120 V. Av. wt., 2 oz. ea.

Stock No.	Mfr's Type	Watts	Bulb	Base	EACH
60 B 8541	AR-3	1/4	T-4 1/2	Candelabra Screw	.85
60 B 8542	AR-1	2	S-14	Edison Medium	1.90

SIGN AND APPLIANCE LAMPS

Rated 1500 hours, average use. Clear glass envelopes, except *white glass. t Night light. All are miniature, except flange. For 120 volts. Av. shpg. wt., 2 oz. each.

Stock No.	Watts	Bulb	Base	PKG. OF 2
60 B 8543	6	S-6	Candelabra	.42
60 B 8547	7	TC-7	Candelabra	.42
60 B 8548	7	*C-7	Candelabra	.49
60 B 6601	7 1/2	TS-11	Medium	.68
60 B 8549	10	C-7	D.C. Bayonet Cand.	.56
60 B 6602	15	T-7	D.C. Bayonet Cand.	.98
60 B 6603	25	T-8	D.C. Bayonet Cand.	.98

SYLVANIA TYPE MB "MITE-T-BREAKERS"

Automatic Reset Type. For transformers, motors, appliances. Rated hold current at 125 volts with minimum trip currents 200% rated current. Sealed glass envelope. 1.26x.39" dia; 1" copper leads. U.L. component-program recognized.

Remote Reset Indicating Type. Similar to above, except 24 volt rating. Also has tungsten filament which incandesces when breaker opens. Only by manual remote reset is breaker returned to protective condition. Shpg. wt., 2 oz.



AUTOMATIC RESET

Stock No.	Type	A
57 B 3540	MB-315	1
57 B 3541	MB-316	2
57 B 3542	MB-317	3
57 B 3543	MB-318	4

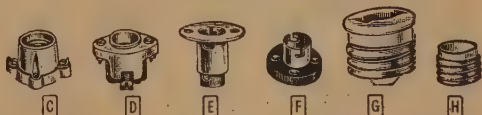
1-99.... Ea. .30 100-249... Ea. .26
250-499 Ea. .23 500-999... Ea. .20

REMOTE RESET

Stock No.	Type	A
57 B 3544	MB-215	1
57 B 3545	MB-216	1.5
57 B 3546	MB-217	2
57 B 3547	MB-218	2.5

1-99.... Ea. .40 100-249... Ea. .36
250-499 Ea. .32 500-999... Ea. .28

SOCKETS AND REDUCERS FOR NEON, ARGON AND PILOT LAMPS



Reducer fits into socket to convert to more commonly used types of bulb bases. *Indicates socket with built-in hard rubber insert in metal shell. Av. shpg. wt., 3 oz.

Stock No.	Fig.	Description	EACH
60 B 7661	C	Edison socket	.24
60 B 7662	C	Miniature screw socket	.15
60 B 7663	D	Candelabra screw socket	.51
60 B 7664	C	Candelabra screw socket	.16
60 B 7665	E*	D.C. bay, candelabra socket	.40
60 B 7666	F	D.C. bay, candelabra socket	.94
60 B 7667	F	S.C. bay, candelabra socket	.90
60 B 7668	G	Edison-to-Cand. reducer	.22
60 B 7669	H	Candelabra-to-Min. reducer	.18
60 B 7670	H	Intermediate-to-Cand. reducer	.10

Pilot Lamps, Accessories and Fiber Optics

SYLVANIA LAMPS AND HOUSINGS

EXTENDED-SERVICE PILOT LAMPS



Slide Base Miniature Bayonet Base

- 5000-Hr Minimum Life
- Flat-Top Bulb
- Flare-Stem Design

Features rugged T2 type bulb, 1.075" long, 1/4" dia. This longer length permits the use of filament supports to hold the filament securely, making the lamp more rugged. 5000-hour minimum life. Available with slide base or miniature bayonet base. The slide base provides more positive contact which assures maximum performance under conditions of shock and vibration. Lamp with miniature bayonet base is ideal for use in critical equipment where space is at a premium. See listing below for housings. Av. shpg. wt., 2 oz.

Slide Base		Bayonet Base		Volts	Av. Watts	Av. Amps	End Foot-Candles
Stock No.	Type	Stock No.	Type				
60 B 7248	6PSB	60 B 8828	6MB	6	.8	.140	800
60 B 7249	12PSB	60 B 8829	12MB	12	2.0	.170	2500
60 B 7250	24PSB	60 B 8830	24MB	24	1.7	.073	2200
60 B 7251	28PSB	60 B 8831	28MB	28	1.1	.040	2000
60 B 7252	48PSB	60 B 8832	48MB	48	2.5	.053	1500
60 B 7253	60PSB	60 B 8833	60MB	60	3.0	.050	2600
60 B 7254	120PSB	60 B 8834	120MB	120	3.0	.025	1500

1-9 Each .46



END COLOR CAPS

Profax and pyrex hard-glass types. Profax for use below 1 1/2 watts. Pyrex must be cemented. In red, yellow, white, green and blue (see table below). Shpg. wt., 2 oz.

Stock No.	Mfr's Type	Description	Color	EACH
60 B 7425	380010	Profax	Red	.06
60 B 7426	380020	Profax	Yellow	.06
60 B 7427	380030	Profax	White	.06
60 B 7428	380040	Profax	Green	.06
60 B 7429	380050	Profax	Blue	.06
60 B 7430	380710	Pyrex	Red	.07
60 B 7431	380720	Pyrex	Yellow	.07
60 B 7432	380730	Pyrex	White	.07
60 B 7433	380740	Pyrex	Green	.07
60 B 7434	380750	Pyrex	Blue	.07

PHENOLIC UNIVERSAL HOUSINGS



High-quality, low-cost universal housing constructed of rugged phenolic for many years of usefulness. All metal parts of housing are nickel-plated. Electrical contact can be made with A-MP connector 42092-1 or leads can be soldered through holes in contacts. Rated at 75 watts, 125 volts. U.L. Component-Program Recognized. Overall length, 1 1/2 inches. Maximum panel thickness is 1 3/4". Shpg. wt., 2 oz.

60 B 7274 Each .65

ASSEMBLED HOUSINGS AND LAMPS (Less lens)

Stock No.	Mfr's Type	Volts	Av. Watts	Av. Amps	End Foot-Candles
60 B 7275	6PSB/B0099	6	.8	.140	700
60 B 7276	12PSB/B0099	12	2.0	.170	2100
60 B 7277	24PSB/B0099	24	1.7	.073	2200
60 B 7278	28PSB/B0099	28	1.1	.040	1200
60 B 7279	48PSB/B0099	48	2.5	.053	1500
60 B 7280	60PSB/B0099	60	3.0	.050	2200
60 B 7281	120PSB/B0099	120	3.0	.025	1500

1-11 Each 1.12

LENSES FOR PILOT LAMP ASSEMBLIES

For use with lamp assemblies above. Made of a high-temperature plastic that prevents lens-melting and minimizes signal distortion. Available in three styles: jeweled lens, clear lens or opaque lens (see table below). Av. shpg. wt., 4 oz.

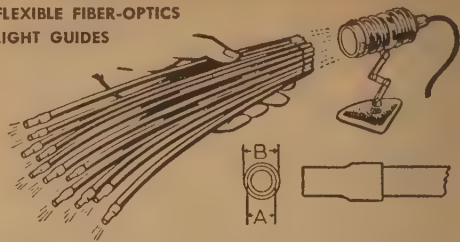
Color	JEWELLED LENS		CLEAR LENS		OPAQUE LENS	
	Stock No.	Mfr's Type	Stock No.	Mfr's Type	Stock No.	Mfr's Type
Red	60 B 7255	301000	60 B 7259	301100	60 B 7270	301300
Blue	60 B 7256	301030	60 B 7262	301130		
Green	60 B 7257	301020	60 B 7261	301120	60 B 7272	301320
Amber	60 B 7258	301060	60 B 7260	301110		
Yellow			60 B 7263	301140	60 B 7271	301310
Clear			60 B 7264	301160	60 B 7273	301330
White						

1-9 Each .20

AMERICAN OPTICAL FIBER OPTICS

FLEXIBLE FIBER-OPTICS

LIGHT GUIDES

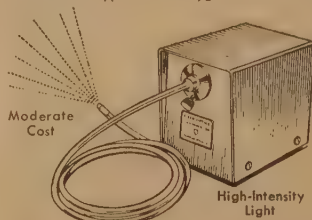


Flexible Light Guides provide a means for transmitting light over a flexible path. Applications include: remote illumination, data processing, error sensing, scanning systems, fire detection, control systems and automatic programming. Consist of bundles of optical fibers cemented and polished at each end in a closely packed array free to flex in between. Guides fitted with stainless steel end tips and encased in a PVC sheath. Transmit light through visible and near infrared spectrum to a wave-length about 1.5 microns. 2

Stock No.	Mfr's Type	Min. Rad. of Bend	Bundle Dia.	A ±.003	B ±.004	Lgth.	EACH
60 B 8989	LGM-1	3/8"	.020"	.032"	1"	12"	4.8
60 B 9780	LGM-1	3/8"	.020"	.032"	1"	24"	6.4
60 B 8990	LGM-2	3/8"	.062"	.109"	1 3/4"	12"	13.0
60 B 9781	LGM-2	3/8"	.062"	.109"	1 3/4"	24"	14.0
60 B 8991	LGM-2	3/8"	.062"	.109"	1 3/4"	36"	15.0
60 B 9782	LGM-2	3/8"	.062"	.109"	1 3/4"	48"	16.0
60 B 9992	LGM-2	3/8"	.125"	.169"	9/16"	72"	18.0
60 B 8993	LGM-3	3/4"	.125"	.169"	9/16"	12"	15.0
60 B 9784	LGM-3	3/4"	.125"	.169"	9/16"	24"	18.0
60 B 8994	LGM-3	3/4"	.125"	.169"	9/16"	36"	21.0
60 B 9785	LGM-3	3/4"	.125"	.169"	9/16"	48"	24.0
60 B 9787	LGM-3	3/4"	.125"	.169"	9/16"	72"	30.0
60 B 8995	LGM-5	1 1/2"	.250"	.316"	1 3/4"	12"	21.0
60 B 9772	LGM-5	1 1/2"	.250"	.316"	1 3/4"	24"	29.5
60 B 8996	LGM-5	1 1/2"	.250"	.316"	1 3/4"	36"	38.0
60 B 9774	LGM-5	1 1/2"	.250"	.316"	1 3/4"	60"	55.0
60 B 9775	LGM-5	1 1/2"	.250"	.316"	1 3/4"	72"	63.5

Light Transmitting Clad Rod. Consists of a glass core with refractive index of 1.62 and glass cladding having an index of 1.52. Can be bent in Bunsen flame. Should not be bent to radius of under 2". 60 B 7225, Type CR-16, 1/8" dia. x 12". Wt., 2 oz. 2. 60 B 7226, Type CR-12, 1/8" dia. x 12". Wt., 2 oz. 3.

FIBER OPTIC ILLUMINATORS



These low-cost illuminators are specially designed for use with all of the AO Fiber Light Guides. Provide a convenient, inexpensive and compact source of intense illumination for a wide variety of fiber optic applications.

Model K-100. For use with Type LGM-1 and Type LGM-2 light guides (above). Utilizes 6-volt filament lamp and special condensing system for an intense cone of illumination covering a dispersal angle of 60°. Supplied complete with built-in on-off switch. Size 5 1/2 x 4 x 1/2". For 110-120 V, 60 Hz AC. Shpg. wt., 5 lbs.

60 B 9270 69. 60 B 9747, Type 1615 Replacement Lamp for K-100, 8 oz. 2. Model K-150. Intense illumination for all light guides up to 3/8" diameter. Light source is 150-watt reflector projection lamp. Light output continuously variable by means of solid-state controls. Efficient fan provides cool operation. Rated lamp life at full voltage, 15 hours. For 110-120 V, 60 Hz AC. Shpg. wt., 3 1/2 lbs.

60 B 9271 79. 60 B 9748, Type DCL Replacement Lamp for K-150, 8 oz. 5.

Fused Fiber Image Conduit. Fiber bundle rod is capable of transmitting images from one end to the other. These rods can be heated and bent into complex shapes. Carbon rods or blocks may be used as forms to bend to desired configuration. Conduit supplied with polished ends. *Resolution in total lines per millimeter. Wt., 3

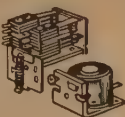
Stock No.	Mfr's Type	Cross Section	Lgth.	No. of Fibers	Fiber Dia.	Res.*	EACH
60 B 7205	IC-1-6	1/8" hex	6"	73,000	.0005"	80	7.0
60 B 7206	IC-1-12	1/8" hex	12"	73,000	.0005"	80	12.0
60 B 6628	IC-100-6	1/8" Rnd	6"	70,000	.0005"	80	5.0
60 B 6629	IC-100-12	1/8" Rnd	12"	70,000	.0005"	80	9.0

Knight and Potter & Brumfield Relays

POTTER & BRUMFIELD RELAYS

GP "PIC AND BUILD" SERIES

Units available can be combined to produce twenty different relays, each easily converted to an alternative sensitivity or switching arrangement in minutes. The 24 V DC coil is approximately 30 ohms. The 2500 ohm and 10,000 ohm coils may be used in plate circuit applications and can be adjusted to operate on 13 mA and 6.5 mA respectively. $\frac{1}{8}$ " diameter switch contacts are rated at 5 amps. Has tapped core to permit mounting with single 8-32 screw. Size, $1\frac{1}{2} \times 1\frac{1}{2} \times \frac{1}{2}$ ". Av. wt., 4 oz.



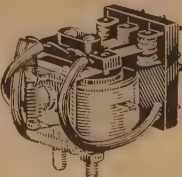
Stock No.	Mfr's Type	Description	E.A.
41 B 6333	GPA	6 V AC Coil	1.75
41 B 6339	GPA	12 V AC Coil	1.75
41 B 6334	GPA	24 V AC Coil	1.75
41 B 6335	GPA	120 V AC Coil	1.75
41 B 6337	GPD	6 V DC Coil	2.20
41 B 6338	GPD	12 V DC Coil	2.20
41 B 6339	GPD	24 V DC Coil	2.20
41 B 6340	GPD	2500-ohm Coil	1.60
41 B 6342	GPD	10,000-ohm Coil	2.20
41 B 6343	GP11	DPDT Switch	1.80
41 B 6344	GP17	4PDT Switch	3.10

knight

RELAYS

- Life Expectancy Exceeds 5,000,000 Operations
- Molded Nylon Bobbins
- Modular Construction

Meet exacting requirements over a tremendous range of applications. In either open or enclosed plug-in types. Built-in contact wipe with riveted contacts. Phenolic terminal blocks. Independently riveted coil terminals. Enclosed types have crackproof dust covers of clear, polycarbonate resin. Silver alloy gold-flashed contacts rated 10 amps at 115 VAC or 32 VDC, noninductive.



Open Type



Enclosed Type

OPEN TYPES

Tinned solder terminals. 6-32 mtg. hole, U.L. Comp. Prog. Recog. $1\frac{1}{2} \times 1\frac{1}{2} \times \frac{1}{4}$ ". 2 oz.

Stock No.		Coil		Action	EACH
		Volts	Ohms		
41	B 4650	12 AC	20	SPDT	3.15
41	B 4651	24 AC	75	SPDT	3.15
41	B 4652	115 AC	1500	SPDT	3.15
41	B 4653	12 DC	150	SPDT	3.00
41	B 4654	24 DC	600	SPDT	3.00
41	B 4655	12 AC	20	DPDT	3.70
41	B 4656	24 AC	75	DPDT	3.70
41	B 4657	115 AC	1500	DPDT	3.70
41	B 4658	12 DC	150	DPDT	3.35
41	B 4659	24 DC	600	DPDT	3.35
41	B 4660	110 DC	10,000	DPDT	3.95
41	B 4661	115 AC	1500	3PDT	4.20
41	B 4662	24 DC	600	3PDT	3.85

PLUG-IN ENCLOSED TYPES

SPDT and DPDT use std. octal plug; 3PDT, 11-pin plug. $1\frac{1}{2} \times 1\frac{1}{2} \times \frac{1}{2}$ ". 3 oz.

Stock No.	Coil		Action	EACH
	Volts	Ohms		
41 B 4663	12 AC	20	SPDT	5.45
41 B 4664	24 AC	75	SPDT	5.45
41 B 4665	115 AC	1500	SPDT	5.45
41 B 4666	12 DC	150	SPDT	5.40
41 B 4667	24 DC	600	SPDT	5.40
41 B 4668	12 AC	20	DPDT	6.05
41 B 4669	24 AC	75	DPDT	6.05
41 B 4670	115 AC	1500	DPDT	6.05
41 B 4671	12 DC	150	DPDT	6.10
41 B 4672	24 DC	600	DPDT	6.10
41 B 4673	110 DC	10,000	DPDT	6.70
41 B 4677	115 AC	1500	3PDT	7.50
41 B 4678	24 DC	600	3PDT	7.45

AP RATCHET IMPULSE RELAYS

Fast acting for uses requiring on-off or reversing action on alternate impulses. Operates on impulses as short as 60 ms. Intermittent duty. Contacts are $\frac{1}{16}$ " fine silver, rated 5 amps. Coils are wound on molded bobbins. Phenolic cases, hardened steel pawl and ratchet with pin hinged armature. Tinned solder terminals. Mounting: Three $\frac{3}{16}$ " diam. holes on $\frac{3}{8} \times \frac{3}{4}$ " triangular centers. Size: $2\frac{1}{2} \times 3\frac{3}{4}$ ". AC types for 50-60 Hz. 12 oz.



Stock No.	Type	Volts	Action	EACH
41 B 5997	API1A	6 AC	DPDT	9.20
41 B 5998	API1A	12 AC	DPDT	9.20
41 B 5993	API1A	120 AC	DPDT	9.20
41 B 5993	API1A	240 AC	DPDT	9.70
41 B 5995	API1D	6 DC	DPDT	9.20
41 B 5996	API1D	12 DC	DPDT	9.20
41 B 5998	API1D	110 DC	DPDT	9.50
41 B 5994	API1A	120 AC	4PDT	11.15
41 B 5998	API1D	12 DC	4PDT	11.15
41 B 5998	API1D	24 DC	4PDT	11.15

RS5D LIGHTWEIGHT RELAYS

Compact sensitive relays designed for radio-oxide, light-dimmer, and model applications. Sensitivity of 60 milliwatts. Life of over 10 million operations. Operate in 25 milliseconds and release in less than 5 milliseconds. SPDT contacts are bare palladium, rated at 2 amps. Current actuated, except *voltage actuated. Insulation resistance of 100 megohms minimum. Two 4-40 tapped holes on $\frac{3}{8} \times \frac{3}{4}$ " diagonal centers. May be mounted in "P" or "C" cradle-resistant transparent plastic case, with KCP-KRP hold-down spring. Size: $1\frac{1}{2} \times 1\frac{1}{2} \times \frac{1}{4}$ ". Av. shpg. wt., 2 oz.



Stock No.	Coil Ohms	mA	EACH
41 B 5896	335	6 VDC*	2.75
41 B 5504	1350	12 VDC*	2.90
41 B 5897	2500	5.0	3.00
41 B 5898	5000	3.5	3.30
41 B 5899	10,000	2.5	3.80

KM SUBMINIATURE RELAYS

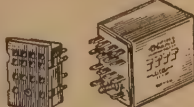
For multiple switching use in small business machines, alarm systems, communications. Withstand 30g shock. Weight 0.58 oz. 32 silver contacts rated 2 amps. Solder terminals. Mtg. by 2-56 tapped core, locating half-punch. Size $\frac{1}{2} \times \frac{3}{4} \times \frac{1}{4}$ ". Shpg. wt., 1 oz.



Stock No.	Mfr's Type	Coil Volts	Action	EACH
41 B 6361	KMSD	6 DC	SPDT	3.60
41 B 6362	KMSD	12 DC	SPDT	3.60
41 B 6363	KMSD	24 DC	SPDT	3.60
41 B 6365	KM11D	6 DC	DPDT	3.95
41 B 6366	KM11D	12 DC	DPDT	3.95
41 B 6367	KM11D	24 DC	DPDT	3.95
41 B 6369	KM14D	6 DC	3PDT	4.55
41 B 6370	KM14D	12 DC	3PDT	4.55
41 B 6371	KM14D	24 DC	3PDT	4.55

KHP MINIATURE 4PDT RELAYS

Compact, rugged 4PDT relays for data processing, computer control, etc. Come with nylon dust cover. Gold-flashed silver contacts rated 3 amps at 30 VDC or 115 V AC resistive, except types with suffix "12" have silver-cadmium-oxide contacts. Coil power: DC, 900 milliwatts; AC, 1.2 VA. Solder terminals with 3-48 mtg. stud, $\frac{1}{8}$ " long. Fit sockets (below) with either printed circuit or solder lug terminals. Contacts rated for 100,000 operations. Size: $1\frac{1}{2} \times 1\frac{1}{2} \times \frac{3}{16}$ ". maximum. Shpg. wt., 2 oz.



Stock No.	Mfr's Type	Coil		E.A.
		Volts	Ohms	
41 B 4252	KHP17A11	6 AC	10.5	5.55
41 B 4253	KHP17A11	12 AC	43	5.55
41 B 4254	KHP17A11	24 AC	160	5.55
41 B 4255	KHP17A11	120 AC	3900	6.05
41 B 7675	KHP17D11	6 DC	40	5.05
41 B 7676	KHP17D11	12 DC	160	5.05
41 B 7677	KHP17D11	24 DC	650	5.05
41 B 7678	KHP17D11	48 DC	2600	5.25
41 B 7680	KHP17D11	90 DC	9000	5.90
41 B 7679	KHP17D11	110 DC	11000	5.90
41 B 6045	KHP17D12	24 DC	650	5.20
41 B 6046	KHP17D12	110 DC	11000	6.05

SOCKETS FOR KHP RELAYS

41 B 5940	9KH1	Solder Term.	.66
41 B 5990	9KH2	PC terminal	.66

BU AC-OPERATED BUZZERS

Spring-steel armature buzzes when coil is energized. $1\frac{1}{2} \times 1\frac{1}{2} \times \frac{1}{4}$ ". Mtg., 6-32 tapped core. 2 oz.



Stock No.	AC Volts	Power VA	Coil Ohms	EACH
41 B 6005	6	4.6	2.75	1.85
41 B 6006	12	4.6	5.48	1.85
41 B 6007	24	4.6	50.00	1.85
41 B 6008	115	4.6	1250.00	1.85

LB-5 PLATE-CIRCUIT RELAYS

Small, fast-acting circuit relays. For any circuit supplying only a few milliwatts of DC. Breakdown: 500 volts rms minimum. Silver contacts are rated 5 amps at 120 V AC, 60 Hz resistive. All units have SPDT action. Adjusted by bending tail-spring hook. Size: $2\frac{1}{2} \times 1\frac{1}{2} \times \frac{1}{2}$ ". For DC operation only. Shpg. wt., 5 oz.



Stock No.	Ohms	mA	EACH
41 B 5625	2500	9	2.70
41 B 5626	5000	6.3	2.90
41 B 5774	10,000	4.5	3.15

LM PLATE-CIRCUIT RELAYS

For photoelectric and similar circuits. Medium-cost, high quality, current-actuated relays. Pull-in adjustable by tail spring adjusting screw. DC coils only. Silver contacts rated 5 amps, 115 V 60 Hz, non-inductive load. Have 100 milliwatt sensitivity for photoelectric, 200 mW for double-pole. *SPDT; †DPDT. Sizes are: LMS, $2\frac{1}{2} \times 1\frac{1}{2} \times \frac{1}{2}$ " 2W*; LML1, $2\frac{1}{2} \times 2\frac{1}{2} \times \frac{1}{2}$ ". Av. shpg. wt., 9 oz.



Stock No.	Type	Ohms	mA	EACH
41 B 5673	LMS*	2500	6.3	4.15
41 B 5674	LMS*	5000	4.5	4.35
41 B 5675	LMS*	10,000	4.2	4.65
41 B 5682	LML1†	2500	9.0	5.90
41 B 5683	LML1†	5000	6.3	6.10
41 B 5684	LML1†	10,000	4.5	6.70

Potter & Brumfield Relays and Accessories

On these pages, you'll find the most popular contact arrangements, ratings, terminations, enclosures, and coil voltages listed.

Contact us for prices and other product information on any types not listed—you'll receive a prompt reply.

PR HEAVY-DUTY POWER RELAYS



SPST are normally open. Heavy screw terminals. All U.L. Recog. and AC types also C.S.A. Listed; except PR1A1.5, neither. All have 25-amp silver contacts except PR1A1.5 with 20-amp contacts. *Equipped with auxiliary SPDT 5-amp contact. Size: $2\frac{1}{2} \times 2\frac{1}{2}$ wide; PR3, PR5 $2\frac{1}{2} \times 2\frac{1}{2}$ tall. Sizes: all are $2\frac{1}{2} \times 2\frac{1}{2}$ wide; PR3, PR5 $2\frac{1}{2} \times 2\frac{1}{2}$ tall. Dust covers, below right. Av. shpg. wt., 12 oz.

Stock No.	Type	Volts	Action	EACH
41 B 5846	PR3AY	6 AC	SPST	4.35
41 B 6751	PR3AY	12 AC	SPST	4.35
41 B 5961	PR3AY	24 AC	SPST	4.35
41 B 5600	PR3AY	120 AC	SPST	4.35
41 B 5652	PR3AY	240 AC	SPST	4.75
41 B 6509	PR3DV	12 DC	SPST	4.35
41 B 6101	PR3DV	24 DC	SPST	4.35
41 B 5968	PR3DV	110 DC	SPST	5.00
41 B 5847	PR5AY	6 AC	SPST	4.55
41 B 5778	PR5AY	12 AC	SPST	4.55
41 B 5966	PR5AY	24 AC	SPST	4.55
41 B 5602	PR5AY	120 AC	SPST	4.55
41 B 5966	PR5AY	240 AC	SPST	5.00
41 B 6750	PR5DV	6 DC	SPST	4.55
41 B 6510	PR5DV	12 DC	SPST	4.55
41 B 6510	PR5DV	24 DC	SPST	4.55
41 B 5969	PR5DV	110 DC	SPST	5.20
41 B 5848	PR7AY	6 AC	DPST	5.15
41 B 5879	PR7AY	12 AC	DPST	5.15
41 B 5663	PR7AY	24 AC	DPST	5.15
41 B 5603	PR7AY	120 AC	DPST	5.15
41 B 5654	PR7AY	240 AC	DPST	5.60
41 B 6102	PR7DV	6 DC	DPST	5.15
41 B 6511	PR7DV	12 DC	DPST	5.15
41 B 5131	PR7DV	24 DC	DPST	5.15
41 B 5970	PR7DV	110 DC	DPST	5.80
41 B 5849	PR11AY	6 AC	DPDT	6.75
41 B 6752	PR11AY	12 AC	DPDT	6.75
41 B 5964	PR11AY	24 AC	DPDT	6.75
41 B 5663	PR11AY	120 AC	DPDT	6.75
41 B 5655	PR11AY	240 AC	DPDT	7.30
41 B 6103	PR11A1.5	6 AC	*DPDT	8.55
41 B 6109	PR11A1.5	12 AC	*DPDT	8.55
41 B 6753	PR11A1.5	24 AC	*DPDT	8.55
41 B 5663	PR11A1.5	120 AC	*DPDT	8.55
41 B 6756	PR11A1.5	240 AC	*DPDT	9.00
41 B 6508	PR11DV	6 DC	DPDT	6.75
41 B 6512	PR11DV	12 DC	DPDT	6.75
41 B 6514	PR11DV	24 DC	DPDT	6.75
41 B 5971	PR11DV	110 DC	DPDT	7.40

MR MEDIUM-DUTY POWER RELAYS



For general applications. Silver contacts rated 8 amps except MR3 types rated 10 amps. AC coils for 60 Hz. ST sections normally open. Size: MR3 and MR5, $1\frac{1}{2} \times 1\frac{1}{2}$; MR11, $2\frac{1}{2} \times 1\frac{1}{2}$; MR14, $2\frac{1}{2} \times 1\frac{1}{2}$; MR17, $2\frac{1}{2} \times 1\frac{1}{2}$. Av. shpg. wt., 5 oz.

Stock No.	Type	Volts	Action	EACH
41 B 5975	MR3A	6 AC	SPST	4.10
41 B 5976	MR3A	12 AC	SPST	4.10
41 B 5665	MR3A	24 AC	SPST	4.10
41 B 5983	MR3D	6 DC	SPST	3.70
41 B 5187	MR3D	12 DC	SPST	3.70
41 B 5988	MR3D	24 DC	SPST	3.70
41 B 5610	MR5A	6 AC	SPDT	3.65
41 B 5657	MR5A	12 AC	SPDT	3.65
41 B 5979	MR5D	6 DC	SPDT	3.65
41 B 5614	MR5A	120 AC	SPDT	3.65
41 B 5657	MR5A	240 AC	SPDT	4.10
41 B 5618	MR5D	12 DC	SPDT	3.40
41 B 5188	MR5D	24 DC	SPDT	3.40
41 B 5989	MR5D	110 DC	SPDT	3.40
41 B 5610	MR5D	110 DC	SPDT	3.90
41 B 5618	MR11A	6 AC	DPDT	5.15
41 B 5658	MR11A	12 AC	DPDT	5.15
41 B 5981	MR11A	24 AC	DPDT	5.15
41 B 5616	MR11A	120 AC	DPDT	5.15
41 B 5659	MR11A	240 AC	DPDT	5.55
41 B 5985	MR11D	6 DC	DPDT	4.90
41 B 5190	MR11D	12 DC	DPDT	4.90
41 B 5991	MR11D	24 DC	DPDT	4.90
41 B 5617	MR11D	110 DC	DPDT	4.90
41 B 5976	MR14A	6 AC	3PDT	6.15
41 B 5659	MR14A	12 AC	3PDT	6.15
41 B 5982	MR14A	24 AC	3PDT	6.15
41 B 5982	MR14A	120 AC	3PDT	6.15
41 B 5992	MR14A	240 AC	3PDT	6.15
41 B 5986	MR14D	6 DC	3PDT	5.80
41 B 5191	MR14D	12 DC	3PDT	5.80
41 B 5992	MR14D	24 DC	3PDT	5.80
41 B 5662	MR14D	110 DC	3PDT	6.30

KRP ENCLOSED RELAYS



Completely enclosed compact relay in metal, transparent, plastic cases. Fully dustproof and weatherproof for long life. Available in 11-pin socket. Types KRP5 and KRP11 plug into standard octal sockets; Type KRP14 plugs into 11-pin socket. Gold-plated silver contacts rated 5 amps at 120 VAC, 60 Hz resistive. $1\frac{1}{2} \times 1\frac{1}{2} \times 2\frac{1}{2}$. Av. shpg. wt., 5 oz.

Stock No.	Type	Volts	Action	EACH
41 B 5214	KRP5A	6 AC	SPDT	5.70
41 B 5215	KRP5A	24 AC	SPDT	5.70
41 B 5213	KRP5A	120 AC	SPDT	5.70
41 B 5217	KRP5D	6 DC	SPDT	5.65
41 B 5244	KRP5D	12 DC	SPDT	5.65
41 B 5247	KRP5D	24 DC	SPDT	5.65
41 B 5240	KRP5D	110 DC	SPDT	6.00
41 B 5920	KRP11A	6 AC	DPDT	6.35
41 B 6524	KRP11A	12 AC	DPDT	6.35
41 B 5216	KRP11A	24 AC	DPDT	6.35
41 B 5217	KRP11A	120 AC	DPDT	6.35
41 B 6597	KRP11A	240 AC	DPDT	6.35
41 B 5922	KRP11D	6 DC	DPDT	6.30
41 B 5246	KRP11D	12 DC	DPDT	6.30
41 B 5247	KRP11D	24 DC	DPDT	6.30
41 B 5240	KRP11D	110 DC	DPDT	6.95
41 B 5091	KRP14A	6 AC	3PDT	7.90
41 B 6525	KRP14A	12 AC	3PDT	7.90
41 B 5092	KRP14A	24 AC	3PDT	7.90
41 B 5093	KRP14A	120 AC	3PDT	7.90
41 B 6526	KRP14A	240 AC	3PDT	8.30
41 B 5094	KRP14D	6 DC	3PDT	7.80
41 B 5095	KRP14D	12 DC	3PDT	7.80
41 B 5096	KRP14D	24 DC	3PDT	7.80
41 B 6998	KRP14D	110 DC	3PDT	8.45

KCP ENCLOSED RELAYS



Plate circuit relays. In high-impact, weatherproof plastic cases. Fit standard octal or 11-pin socket (at right, below), 2 amp resistive, silver contacts. $1\frac{1}{2} \times 2\frac{1}{2}$ by $2\frac{1}{2}$. Wt., 4 oz.

Stock No.	Type	Ohms	mA	Action	EACH
41 B 5287	KCP5	2500	7.2	SPDT	6.20
41 B 5288	KCP5	2500	5.0	SPDT	6.30
41 B 5289	KCP5	10,000	3.0	SPDT	6.70
41 B 5290	KCP11	2500	10.0	DPDT	6.60
41 B 5291	KCP11	5000	7.2	DPDT	6.70
41 B 5292	KCP11	10,000	5.0	DPDT	7.15
41 B 5097	KCP14	2500	12.3	3PDT	8.15
41 B 5098	KCP14	5000	8.7	3PDT	8.25
41 B 5099	KCP14	10,000	6.1	3PDT	8.65

KT ANTENNA-SWITCHING RELAYS



For selecting either of two antennas or for switching single antenna from receiver to transmitter and vice-versa. Designed for RF applications; glass base insulation for minimum loss. Will switch 300-ohm antenna impedances rated at 20 amps, 120 VAC, 60 Hz resistive, or 28 VDC, 1 HP 120/240 V, 60 Hz. SPST. Size: $1\frac{1}{2} \times 1\frac{1}{2} \times 1\frac{1}{2}$. Action. Stud. mfg. 1.6x1.6x1.32". Same coil rating as KRP type, above right. *Enclosed type, similar to KRP illus. above. Av. shpg. wt., 8 oz.

Stock No.	Type	Volts	EACH
41 B 6373	KT11A	6 AC	3.90
41 B 6374	KT11A	120 AC	3.90
41 B 6375	KT11D	6 DC	3.90
41 B 6376	KT11D	12 DC	3.90

KR3 POWER RELAYS



Open double-break relay with copper alloy contact fingers and silver-cadmium-oxide contact material. Rated at 20 amps, 120 VAC, 60 Hz resistive, or 28 VDC, 1 HP 120/240 V, 60 Hz. SPST. N.O.-DB (1 Form X) action. Stud. mfg. 1.6x1.6x1.32". Same coil rating as KRP type, above right. *Enclosed type, similar to KRP illus. above. Av. shpg. wt., 8 oz.

Stock No.	Type	Volts	EACH
41 B 5132	KR3AH	24 AC	4.10
41 B 5133	KR3AH	120 AC	4.10
41 B 5134	KR3DH	6 DC	3.90
41 B 5135	KR3DH	12 DC	3.90
41 B 5136	KR3DH	24 DC	3.90
41 B 5137	KR3DH	110 DC	4.50
41 B 5138	KR3AH*	24 AC	6.65
41 B 5139	KR3AH*	120 AC	6.65
41 B 5175	KR3DH*	12 DC	6.45
41 B 5176	KR3DH*	24 DC	6.45

KA GENERAL-PURPOSE RELAYS



Compact, general purpose relays for transmitters, power supply control, etc. Moisture resistant. Heavy-duty contacts rated at 5 amp; AC coils for 60 Hz. All are U.L. Recog. 6-32 mounting with $1\frac{1}{2} \times 1\frac{1}{2} \times 2\frac{1}{2}$. Shpg. wt., 6 oz.

Stock No.	Type	Volts	Action	EACH
41 B 5158	KASAY	6 AC	SPDT	3.35
41 B 5180	KASAY	12 AC	SPDT	3.35
41 B 5161	KASAY	24 AC	SPDT	3.35
41 B 5654	KASAY	120 AC	SPDT	3.35
41 B 5153	KASAY	240 AC	SPDT	3.80
41 B 5167	KASDY	6 DC	SPDT	3.20
41 B 5170	KASDY	12 DC	SPDT	3.20
41 B 5173	KASDY	24 DC	SPDT	3.20
41 B 5782	KASDY	110 DC	SPDT	3.85
41 B 5159	KAI1AY	6 AC	DPDT	4.05
41 B 5161	KAI1AY	12 AC	DPDT	4.05
41 B 5162	KAI1AY	24 AC	DPDT	4.05
41 B 5165	KAI1AY	120 AC	DPDT	4.05
41 B 5783	KAI1AY	240 AC	DPDT	4.45
41 B 5168	KAI1DV	6 DC	DPDT	3.55
41 B 5171	KAI1DV	12 DC	DPDT	3.55
41 B 5174	KAI1DV	24 DC	DPDT	3.55
41 B 5652	KAI1DV	110 DC	DPDT	4.20
41 B 5160	KAI4AY	6 AC	3PDT	4.45
41 B 5779	KAI4AY	12 AC	3PDT	4.45
41 B 5164	KAI4AY	24 AC	3PDT	4.45
41 B 5166	KAI4AY	120 AC	3PDT	4.45
41 B 5152	KAI4AY	240 AC	3PDT	4.90
41 B 5169	KAI4DV	6 DC	3PDT	4.05
41 B 5172	KAI4DV	12 DC	3PDT	4.05
41 B 5175	KAI4DV	24 DC	3PDT	4.05
41 B 5623	KAI4DV	110 DC	3PDT	4.65

PC IMPULSE RELAYS



Compact, pulse-operated relay. For on-off or reversing applications. Pulses may be as short as 60 milliseconds at 5 Hz. Gold-plated silver contacts, rated 7.5 amps at 120 volt ac, resistive load. Size: $2\frac{1}{2} \times 2\frac{1}{2} \times 2\frac{1}{2}$. Shpg. wt., 5 oz.

Stock No.	Type	Volts	Action	EACH
41 B 6504	PC11A	6 AC	DPDT	5.90
41 B 6528	PC11A	12 AC	DPDT	5.90
41 B 6529	PC11A	24 AC	DPDT	5.90
41 B 6500	PC11A	120 AC	DPDT	5.90
41 B 6526	PC11D	6 DC	DPDT	5.70
41 B 6111	PC11D	12 DC	DPDT	5.70
41 B 6506	PC11D	24 DC	DPDT	5.70
41 B 6503	PC17A	24 AC	4PDT	8.15
41 B 6501	PC17A	120 AC	4PDT	8.15
41 B 6507	PC17D	24 DC	4PDT	7.95

RELAY CASES AND SOCKETS



PR Relay Case. Steel base with aluminum cover. 4-knockouts for $\frac{1}{4}$ " conduit. For KRP and KCP relays. Size: $1\frac{1}{2} \times 1\frac{1}{2} \times 1\frac{1}{2}$. Shpg. wt., 1 lb.

MR Relay Case. Steel base with a slip-on aluminum cover. 2-knockouts for $\frac{1}{4}$ " conduit. Mounts on pre-drilled holes. Wt., 1 lb.

Amphenol 77MIP8 Socket. For KRP and KCP relays. For all relays except KRP14 and KCP14. Octal type. Requires $\frac{1}{2}$ " hole. Mfg. centers, $\frac{1}{2}$ ". Wt., 1 oz.

Amphenol 77MIP11 Socket. For KRP14 and KCP14 types. Molded bakelite. Mounts in $\frac{1}{2}$ " hole; $\frac{1}{2}$ " mfg. ctrs. 11-pin. 1 oz.

TYPE "B" RELAY CASES

Model 35D070. Clear, cellulose acetate. For mtg. resistors, capacitors, etc. Octal-type plug. Same case as used with KRP and KCP relays. 4 mfg. screws. Use with 9-KR-15 hold-down spring (below) for special applications. Size: $1\frac{1}{2} \times 2\frac{1}{2} \times 2\frac{1}{2}$. Shpg. wt., 1 lb.

41 B 5558.60

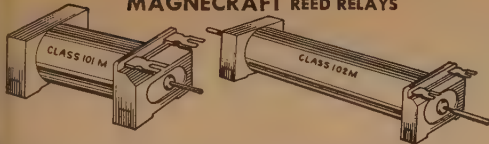
41 B 5559, Type D072 Same as above, but with 11-pin plug. Shpg. wt., 1 oz.75

Type 9-KR-15 Hold-Down Spring. For horizontal, inverted, and vibration-secure mounting of KCP and KRP relays. Stainless steel; two $\frac{1}{2}$ " mfg. holes on $1\frac{1}{2}$ " ctrs. 3 oz.75

41 B 5554.Box of 60 for 5.50

Relays, Photorelays and Counters

MAGNECRAFT REED RELAYS



Rugged design at minimum cost. Reed leads fastened to molded bobbin for stress relief. High-speed operation, sealed contacts.

TYPE 101M: SPST, normally open. Contact, rated 12 VA @ 1/4 amp or 100 VAC max. Coil, 600 mW. Operating time, 1 ms, release, 1/2 ms. Avg. life, 5 million cycles. 1 1/2 x 1 1/2 x 1 1/2".

TYPE 102M: Contact, rated 15 VA @ 1 amp or 250 VAC max. Coil, 300 mW. Oper. time, 3 ms, release, 1/2 ms. Avg. life, 20 million cycles. 3 1/2 x 1 1/2 x 1 1/2". Shpg. wt.: 101M, 2 oz.; 102M, 3 oz.

CLASS 101M SPST—N.O. MINIATURE REED RELAY

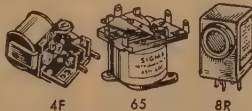
Stock No.	Mfr's Type	Coil			EACH
		mA	VDC	±10% ohms	
41 B 4440	W101MX-1	6	100	2,20	
41 B 4441	W101MX-2	12	250	2,25	
41 B 4442	W101MX-3	24	500	2,25	
41 B 4443	W101MX-4	9	2500	2,23	

CLASS 102M SPST—N.O. STANDARD SIZE REED RELAY

Stock No.	Mfr's Type	Coil	Ohms	mA DC	EACH
41 B 4444	W102MX-1	40	100	2,18	
41 B 4445	W102MX-2	6	200	2,25	
41 B 4446	W102MX-3	12	500	2,25	
41 B 4447	W102MX-4	24	2000	2,47	
41 B 4448	W102MX-5	5.5	5000	2,63	

SIGMA RELAYS

TYPE 4F. A wide selection of plate circuit relays for any 20 or 50 mV sensitivity application. SPDT contacts rated at 2 amps. For smoke detection, burglar alarms and many similar applications. Size, 1 1/2 x 1 1/2 x 1 1/2". Wt., 3 oz.



Stock No.	Mfr's Type	Ohms	mA DC	EACH
41 B 6377	4F-1000-S/SIL	1000	4.5	6.50
41 B 6378	4F-2500-S/SIL	2500	3.0	6.50
41 B 6379	4F-5000-S/SIL	5000	2.0	6.85
41 B 5285	4F-8000-S/SIL	8000	1.6	7.10
41 B 6127	4F-10000-S/SIL	10,000	1.4	7.10

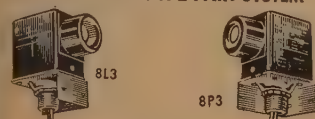
TYPE 6S. Small, sensitive relays. SPDT contacts rated 1A. Screw mtg. (2—4.0 hole spaces .888" apart). Solder terminals. 5 million operation life. Ideal for toys, slide projectors, 1 oz.

Stock No.	Mfr's Type	Ohms	Contacts	EACH
41 B 6612	6S1A-12 DC	1640	SPDT	1.50
41 B 6613	6S1A-24 DC	6560	SPDT	1.50

TYPE 8R PHOTORELAYS. Use CdS photocells. Tubeless. For applications requiring "light-no light" conditions. 5 ft.-candles are needed to operate. .01, .10 S to release. Contacts are rated 5 amps. Aluminum dust covers. 1 1/2 x 1 1/2 x 1 1/2". For 120 V, 50-60 Hz AC. Shpg. wt., 4 oz.

Stock No.	Mfr's Type	Contacts	Base	EACH
41 B 6108	8RC01A*	SPDT	5-pin	18.15
41 B 6251	8RC02A†	SPDT	5-pin	18.75

SIGMA INTEGRAL 2-PART SYSTEM



Photorelay receiver and light source. Has hundreds of uses. 600 operations per minute. Rating: 10 amps maximum at 28 volts DC or 115 volts AC; 5 amps at 230 volts DC. Life up to 10 million mechanical operations. Operational to 12 feet. SPDT. Uses 8L3-115 Light Source. Leads, .18 AWG, 18-av. Temp. range: +32° to +122° F. 1/2" conduit fitting, mounting bracket. 2 1/2 x 1 1/2 x 3 1/2". For 115 or 230 V, 50-60 Hz AC. Av. shpg. wt., 1 lb.

41 B 6191, 8L3-115 Light Source.....16.00
41 B 6190, 8P3-115 Receiver.....22.00

WORNER 4000 "WATCHMAN"



Two-unit photoelectric system for actuating burglar alarms. Light-source has infrared filter for invisible beam. Switch for continuous or momentary alarm. Sensitivity control, 6-V output for alarm. For indoor use at distances to 50 ft. 5x5x5 1/2". For 110-120 V, 50-60 Hz AC. 1 1/4 lbs.

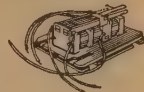
41 B 7232 U.....96.30
MODEL 5100. (Not illus.) As above, but has meter jack for plate-circuit test and alarm setting protected by lock. For up to 100 ft. For 110-120 V, 50-60 Hz AC. 14 lbs.
41 B 7441 U.....134.67

ALCO REMOTE-CONTROL ISOLATION RELAYS

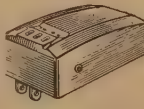
- Low-Voltage Control Up to 110 Volts
- Free Booklet Gives Typical Uses for Relay

MODEL FR-101 AND FR-102 BASIC RELAYS. Provide low-voltage control of high-voltage circuits. Combine step-down transformer and sensitive AC relays in a single laminated core construction. 110 VAC operation, but relay portion is activated by shorting the safe low-voltage provided by transformer. With dust cover. Av. wt., 5 oz.

MODEL FR-103 PLUG-IN. Similar to SPDT FR-102, but with plug for standard AC wall outlet, and 3-way receptacle for selection of N. O. or N. C. controlling circuit. Miniature jack on side serves as plug-in for remote-controlling unit. Av. wt., 5 oz.



FR-101, FR-102



FR-103

SPECIFICATIONS

Maximum Load: 5 amps at 117 volts.
Operating Voltage: 95 to 125 volts.
Current Consumed: Under 40 mA.
Isolated Voltage: Under 30 vA.
Terminals: Types FR-101 and FR-102, 6" leads;
Type FR-103, plug-in.
Life: Over 50,000 operations.
Size with Cover: 2 1/2 x 1 3/4 x 1 1/4".

Stock No.	Mfr's Type	Contact Action	EACH
41 B 4292	FR-101	SPST Basic	3.85
41 B 4293	FR-102	SPDT Basic	4.45
41 B 4294	FR-103	SPDT Plug-in	4.95

FREE! Booklet

28 Building RELAY

With Each Relay, Describes 28 Basic Design Ideas, Clear, Complete.

ITT GENERAL CONTROLS, INC.

ELECTRICAL COUNTERS

- Reset and Non-Reset Types
- Count Life to 200 Million
- For Industrial Applications
- Up to 1000 Counts per Minute

TYPE CE40AN502. Non-reset type, counts to 5 digits. For coin equipment, moderate duty use. Min. make time, .050 seconds; break time, .050 seconds. Rated at 600 cpm. Enclosed in tamper-proof case. Base mounting, 1.125x1.937" mounting centers. Size, 2.484x1.719x1.563". For 115 volt, 60 Hz AC operation. Shpg. wt., 1 lb.

51 B 5910, 1-9.....Each 7.75

10-24.....Each 6.59 25-49.....Each 6.20

50-99.....Each 5.81 100-249.....Each 5.43

TYPE CE40BS402. Reset type, counts to 4 digits. For coin equipment and moderate duty uses. Specs as above, except panel mounting, 1.562x2.437" mounting centers, 1.937x1.812x2.422". For 115 volt, 60 Hz AC. Wt., 1 lb.

51 B 5902, 1-9.....Each 15.95

10-24.....Each 13.56 25-49.....Each 12.76

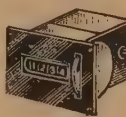
50-99.....Each 11.96 100-249.....Each 11.17

TYPE CM4 HAND-HELD COUNTER

TYPE CM4CS454. Mechanical 4-digit stroke hand-held counter; knob reset. Pushbutton operation with top plunger. White numerals on black. Shpg. wt., 4 oz.

51 B 5896, 1-9.....Each 3.25 10-24.....Each 2.76

25-49.....Each 2.60 50-99.....Each 2.44 100-249.....Each 2.28



Relays, Solenoids and Motors



- Universal Relays
- Solenoids
- Midget Stepper
- Delay Relays
- Contact Protectors

GUARDIAN RELAYS AND SOLENOIDS

UNIVERSAL "200" SERIES COILS FOR ASSEMBLING CUSTOM RELAYS

Universal interchangeable parts for assembling custom relays. Listings include AC, DC, and plate coils, and switch contact assemblies. Complete relay requires one coil and one contact assembly. For additional contacts use the contact switch parts kit. Contact ratings given are at 115 V, 60 Hz AC, non-inductive load. Size: with standard contact assembly, 2 1/4 x 1 1/4 x 1 1/4"; midget assembly, 2 1/4 x 1 1/4 x 1/2". Av. shpg. wt., 4 oz.

AC Coils			DC Coils		
Stock No.	Volts	EACH	Stock No.	Volts	EACH
41 B 5709	6	1.85	41 B 5713	6	2.00
41 B 5710	12	1.85	41 B 5714	12	2.00
41 B 5711	14	2.15	41 B 5715	24	2.30
41 B 5712	115	2.15	41 B 5717	110	2.65
41 B 5888	230	2.85			

41 B 5779, Type 200-5000 D Plate Coil, 5000 ohms, 3 oz. 2.30
41 B 5109, Type 200-10,000 D Plate Coil, 10,000 ohms, 3 oz. 2.65

SERIES 200 SWITCH CONTACT ASSEMBLIES FOR USE WITH COILS ABOVE

Stock No.	Mfr's Type	Description	EACH
41 B 5707	200-1	SPDT std. contact assembly, 8 amps.	1.60
41 B 5708	200-2	DPDT std. contact assembly, 8 amps.	2.10
41 B 5724	200-4	DPDT std. contact assembly, 12.5 amps.	2.35
41 B 5889	200-5	4PDT std. contact assembly, 8 amps.	3.70
41 B 5718	200-M1	SPDT midget contact assembly, 8 amps.	1.50
41 B 5719	200-M2	DPDT midget contact assembly, 8 amps.	1.85
41 B 5826	200-M5	4PDT midget contact assembly, 8 amps.	3.00

AMPERITE TIME DELAY RELAYS

Hermetically sealed in glass envelope with octal base. Heater draws 2 watts. Contacts: SPST, 3 amps at 115 VAC, 1 amp at 220 VAC. Voltage Breakdown: Contacts, 800 V; Heater-to-Contact, 800 V, except* 250 V and 500 V for delays of 10 sec. or less. Ambient temperatures from -55° to +70° C. Size, Dia, 1 1/4"; Height less prongs, 2 1/4". Shpg. wt., 4 oz. Be sure to specify type number as well as Stock No.

Delay Seconds	Type No. Normally Open			Type No. Normally Closed		
	6.3 V	26 V	115 V	6.3 V	26 V	115 V
2*	6N02	26N02	115N02	6C2	26C2	115C2
3*	6N03	26N03	115N03	6C3	26C3	115C3
5*	6N05	26N05	115N05	6C5	26C5	115C5
10*	6N10	26N10	115N10	6C10	26C10	115C10
15	6N15	26N15	115N15	6C15	26C15	115C15
20	6N20	26N20	115N20	6C20	26C20	115C20
30	6N30	26N30	115N30	6C30	26C30	115C30
45	6N45	26N45	115N45	6C45	26C45	115C45
60	6N60	26N60	115N60	6C60	26C60	115C60
75	6N75	26N75	115N75	6C75	26C75	115C75
90	6N90	26N90	115N90	6C90	26C90	115C90
120	6N120	26N120	115N120	6C120	26C120	115C120
150	6N150	26N150	115N150	6C150	26C150	115C150
180	6N180	26N180	115N180	6C180	26C180	115C180

41 B 5295 C. Each 2.40
Miniature Relays. All types listed in above table, are also available in miniature size except 150 and 180-second units, 9-pin, 4x2x2 1/2". Shpg. wt., 3 oz. Specify type no., adding letter "T" following type number. Example: 6N02T.
41 B 5296 C. Each 2.40

R.M.S. SHADED POLE AC MOTORS

Constant-speed gear motors ideal for photocopy, displays, cycle controllers, remote-control devices, motorized valves, business machines. Linear torque output. Mount in any position with no lubricant loss. No fan required. Permanently lubricated; inter-bering bearings; no commutators or brushes; impedance protected. 155° insulation; gear-case lubrication good from -65 to +300°F. For 115 volts, 50-60 Hz AC, Av. wt., 3 lbs.

rpm	Mfr's Type			rpm	Mfr's Type		
	Torque In. Oz.	Clockwise	Reversible		Torque In. Oz.	Clockwise	Reversible
1	800	BGSR1K	BGSP1K	10	225	BGSR10K	BGSP10K
5	450	BGSR5K	BGSP5K	30	220	BGSR30K	BGSP30K

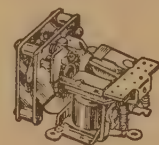
PRICES—SPECIFY TYPE AND RPM FROM ABOVE

Stock No.	Rotation	1-9, EACH	10-24, EACH
41 B 4522 C	Clockwise	15.80	14.25
41 B 4524 C	Reversible	22.40	20.20

1A1 TO 18 SERIES INDUSTRIAL SOLENOIDS

*Intermittent-duty types for applications not requiring energization for more than 5 minutes with sufficient time between cycles for cooling. Should not be permitted to rise more than 85°C above 24°C ambient without time to cool. †Continuous duty types will not rise more than 85°C above 24°C ambient temp. when operated at rated load.

Stock No.	Type	Volts	Stroke	Lift Oz.	Size	Lbs.	E.A.
41 B 5890	1A1*	115AC	3/4"	8	1 1/2 x 1 1/2 x 1 1/2"	1/4	3.15
41 B 5891	1A1†	115AC	3/4"	3	1 1/2 x 1 1/2 x 1 1/2"	1/4	3.15
41 B 5154	2*	115AC	3/4"	20	1 1/2 x 1 1/2 x 1 1/2"	3/8	3.68
41 B 5155	2†	115AC	3/4"	10 1/2	1 1/2 x 1 1/2 x 1 1/2"	3/8	3.68
41 B 5892	4*	115AC	1"	24	1 1/2 x 2 1/2 x 1 1/2"	1	4.20
41 B 5893	4†	115AC	1"	8	1 1/2 x 2 1/2 x 1 1/2"	1	4.20
41 B 5828	12*	115AC	1"	42	1 1/2 x 1 1/2 x 1 1/2"	1 1/4	4.46
41 B 5829	12†	115AC	1"	22	1 1/2 x 1 1/2 x 1 1/2"	1 1/4	4.46
41 B 5295	11*	6DC	1"	39	1 1/2 x 1 1/2 x 1 1/2"	1 1/4	3.15
41 B 5818	11†	6DC	1"	26	1 1/2 x 1 1/2 x 1 1/2"	1 1/4	3.15
41 B 5596	11*	24DC	1"	39	1 1/2 x 1 1/2 x 1 1/2"	1 1/4	3.15
41 B 6319	11†	24DC	1"	26	1 1/2 x 1 1/2 x 1 1/2"	1 1/4	3.15
41 B 5894	14*	115AC	1"	105	1 1/2 x 1 1/2 x 1 1/2"	1 1/4	6.04
41 B 5895	14†	115AC	1"	65	1 1/2 x 1 1/2 x 1 1/2"	1 1/4	6.04
41 B 5156	16*	115AC	1"	96	1 1/2 x 1 1/2 x 1 1/2"	3/4	3.68
41 B 5885	16†	115AC	1"	54	1 1/2 x 1 1/2 x 1 1/2"	3/4	3.68
41 B 6320	16†	230AC	1"	54	1 1/2 x 1 1/2 x 1 1/2"	3/4	3.94
41 B 5157	18*	115AC	1"	145	2 1/2 x 1 1/2 x 1 1/2"	1	4.99
41 B 5886	18†	115AC	1"	145	2 1/2 x 1 1/2 x 1 1/2"	1	4.99
41 B 6321	18†	230AC	1"	145	2 1/2 x 1 1/2 x 1 1/2"	1	5.25



MER-115 MIDGET STEPPING RELAY

Electrical reset stepping relay with 21 active positions. The relay rests from an external control on its own contacts. Contacts are rated at 1 amp at 115 V, 60 Hz, non-inductive. Stepping and reset coils 115 V, 60 Hz AC. Minimum set pulse, 50 ms; reset, 10 ms. Recommended for experimental purposes, original equipment, or replacement. Compact size only 2 1/2 x 3 1/4". Shpg. wt., 1.3 oz.
41 B 5282. 15.75

HURST SYNCHRONOUS MOTORS

- CA, SM, PC-SM and EA Series
- Accurate, Cool-Running



CA Series—100 Inch-Ounce Reversible. For continuous timing applications such as alarm systems, displays, process controls, etc. Instantly reversible with SPDT switching; maintain accuracy both clockwise and counter-clockwise. Torque: 100 inch-ounce at 1 r/min. Case, 2 1/2" dia. x 2 1/4". Shaft, 3/8" dia., 1" long flattened. Power drain: 5 watts. For 95-130 V, 60 Hz AC. Shpg. wt., 18 oz.
SM Series—40 Inch-Ounce Unidirectional. Shaded pole, clockwise rotation. Instant start at full torque of 40 inch-ounce at 1 r/min. Power drain: 5 watts. Case, 2 1/2" dia. x 1 1/4". Shaft, 3/8" dia. by 1" long. For 95-130 V, 60 Hz AC. Shpg. wt., 1 lb.

OUTPUT SPEEDS IN R/MIN

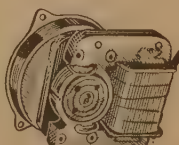
1/2"	2 1/2"	8†	20†	33 1/3	64	160	800
1 1/2"	3"	10†	24	40	80	200	1000
1"	4"	12†	25	48	100	240	3600
1 1/2"	5"	15*	30†	50	120†	400	...
2"	6"	16	32	60†	150	600	...

41 B 7154 C. CA Series. All speeds in table above available.
—Specify Speed, 1-9. Ea. 12.51 10-24. Ea. 11.26

41 B 7152 C. SM Series. Available only in speeds indicated by asterisk* in table above.—Specify, 1-9. Ea. 12.28 10-24. Ea. 11.05

PC-SM Positive Clutch Series. Basic SM motor as described above, with positive clutch and instantaneous brake. Clutch will start output shaft within 20 milliseconds and brake will stop output shaft within 1/2" at 1 rpm or within 12" at 60 rpm; other speeds proportional. Shpg. wt. 1 1/4 lbs. Available only in speeds indicated by asterisk (*) in table above.—Specify Speed.

41 B 7153 C. 1-9. Each 17.86 10-24. Each 16.07



EA Series. Synchronous motor, with 150 inch-ounce rating at 1 r/min. Open frame, shaded pole. Completely accurate, cool-running timing motor with clockwise rotation. Case measures 1 1/2 x 2 1/4 x 3 1/4". 1/8" x 1" output shaft, except 3/8" x 1". Wt., 1 1/4 lbs.

Stock No.	R/Min.	1-9	10-24
41 B 7155 C	1-120†	9.35	8.41
41 B 7156 C	3600†	6.93	6.24

Available only in speeds indicated by dagger (†) in table above.—Specify.

Coaxial Relays and Relay Cleaning Tools

DOW-KEY

MANUAL COAXIAL ANTENNA SWITCHES



K78 Series. Provide outstanding RF characteristics. Silver contacts $\frac{3}{16}$ " in diameter, $\frac{1}{2}$ " shielded RF cavity. Rated at 1 kW, with impedance of 50 ohms. VSWR is less than 1.05:1 at 150 MHz. Isolation is greater than 50 dB at 500 MHz and 8 dB at 30 MHz. Silver UHF connectors. Require $\frac{3}{16}$ " mounting hole, and $\frac{3}{32}$ " hole for key. *Indicates transfer-crossover switch, complete with mounting nut, dial plate, and knob. Black anodized finish. 3" diameter, $1\frac{1}{2}$ " depth. Av. shpg. wt., 5 oz.

1 B 5900, DK-28-1, SPDT.....	17.00
1 B 5901, DK78-3, SP3T.....	17.50
1 B 5902, DK78-6, SP6T.....	19.00
1 B 5904, DK78-T, *T-C.....	18.50



DK60-G2C



DK2-60



DK61-BNC

DK-60 Series. Heavy-duty SPDT 50-ohm coaxial relays. Handle 1 kW, VSWR less than 1.15:1, 0-500 MHz. DK60-G and DK60-G2C patented automatic receiver protecting connector for greater than 100 dB isolation from even receiver and transmit lines, from 0-500 MHz. DK60-2C and DK60-G2C include external DPDT contacts for switching auxiliary circuits 5 A @ 110 VAC. UHF conn. $2\frac{3}{4} \times 3\frac{3}{4} \times 1\frac{1}{4}$ ". 10 oz.

Stock No.	Mfr's Type	Coil Volts	EACH		
			1-4	5-9	
41 B 6114	DK60	12 DC	17.00	14.00	
41 B 6115	DK60	115 AC	18.00	14.85	
41 B 5953	DK60-G	12 DC	18.00	15.50	
41 B 5955	DK60-G	115 AC	19.00	16.35	
41 B 6118	DK60-G2C	12 DC	20.80	17.15	
41 B 6119	DK60-G2C	115 AC	21.80	18.00	
41 B 6116	DK60-2C	12 DC	19.00	15.65	
41 B 6117	DK60-2C	115 AC	20.00	16.50	

DK2-60. DPDT coaxial unit for switching two lines simultaneously. Frequency range is 0-500 MHz; power rating, 1 kW, VSWR, less than 1.15:1 from 0 to 500 MHz; isolation greater than 30 dB at 500 MHz; loss is less than 0.03 dB at 30 MHz. Long life—over 1 million operations. 50 ohms. $2\frac{3}{4} \times 3\frac{3}{4} \times 1\frac{1}{4}$ ". UHF connector. Shpg. wt., 12 oz.

41 B 6149	DK2-60	115 AC	30.00	24.75	
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DK2-60B. Similar to DK2-60, above, but internally connected in the de-energized position. UHF conn. Shpg. wt., 12 oz.

41 B 5956	DK2-60B	115 AC	29.00	23.90	
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DK61-BNC. High-performance SPDT type. Range, 0-1000 MHz. VSWR, 1.1:1 at 400 MHz. Crosstalk, -40 dB at 400 MHz. Capacity, 100 watts. Plated per MIL-QQ8-365. QQP-416. Life, over 1 million operations. $1\frac{1}{2} \times 2\frac{3}{4} \times \frac{1}{2}$ ". BNC conn. 6 oz.

41 B 6148	DK61-BNC	28 DC	35.10	28.95	
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DK-71



DK-72



DK-77

DK-71, SP6T weatherproof type for remote switching of RF sources. Common connector may be switched directly to any one of six positions. Range, 0-500 MHz; rating, 1 kW; VSWR, 1.1:1 at 100 MHz; isolation, 40 dB at 100 MHz; life, greater than 1 million operations. 50 ohms impedance. $5\frac{3}{4}$ " dia., $2\frac{3}{4}$ " deep. UHF conn. 3 lbs.

Stock No.	Mfr's Type	Coil Volts	EACH		
			1-4	5-9	
41 B 5957	DK71	115 AC	70.00	57.75	
41 B 5958	DK71	24 AC	70.00	57.75	

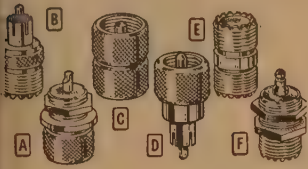
DK-72, SP3T multi-position switch; weatherproof type. Same high-quality features as Type DK-71 switch listed above, except has only three positions. Size, $4\frac{1}{2} \times 3\frac{1}{2} \times \frac{3}{4}$ ". Supplied complete with mounting bracket that accommodates two standard TV mounting straps for quick, easy installation on antenna mast. UHF conn. Shpg. wt., $1\frac{1}{2}$ lbs.

41 B 5960	DK72	115 AC	33.00	27.20	
41 B 5965	DK72	24 AC	33.00	27.20	
41 B 5967	DK72	12 DC	30.00	24.75	

DK-77 Series. Miniature 50-ohm SPDT types with Type BNC connectors. Frequency range, DC to 1000 MHz; power rating up to 250 watts; VSWR, less than 1.1:1 at 500 MHz; isolation, greater than 30 dB at 500 MHz; insertion loss, less than .03 dB at 500 MHz; life, over 1 million operations. Models with 1C in Type no. have SPDT auxiliary switches rated 5 A @ 110 VAC resistive. $2\frac{3}{4} \times 2\frac{3}{4} \times 1\frac{1}{2}$ " with connector. Wt., 5 oz.

Stock No.	Mfr's Type	Coil Volts	EACH		
			1-9	10-24	
41 B 5910	DK77	12 DC	11.00	9.05	
41 B 5911	DK77	28 DC	11.00	9.05	
41 B 5914	DK77-1C	12 DC	12.00	9.90	
41 B 5919	DK77-1C	28 DC	12.00	9.90	

DOW-KEY COAXIAL CONNECTORS



A	41 B 5905, DK-201. Male UHF panel type. Single $\frac{5}{8}$ " hole mounting. 1 oz. 1.30
B	41 B 5907, DK-210. Female UHF to male phono type connector. Wt., 1 oz., 1.50
C	41 B 5946, DKF-2. Double male UHF locking type connector. Wt., 1 oz., .92
D	41 B 5908, DK-211. Male UHF to male phono type connector. Wt., 1 oz., 1.60
E	41 B 5906, DK-202. Double female UHF type connector. Wt., 1 oz., 1.00
F	41 B 5903, DK60-P. Female UHF type. Single $\frac{5}{8}$ " hole panel mounting. 1 oz. .84

JONARD RELAY TOOLS AND SERVICE KITS

POCKET CONTACT BURNISHERS



Compact tools for cleaning and burnishing relay contacts. Replaceable steel blades. Leaves no residue. Chrome-plated barrel with pocket clip, aluminum chuck. Plastic cap permits use with live contacts. Size, $\frac{3}{16} \times \frac{1}{2}$ ". With blades. Shpg. wt., 5 oz.

41 B 7355, P-4 Burnisher. With 12 RB4 ($\frac{1}{4} \times 1\frac{1}{4}$) blades.....	3.90
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41 B 7356, P-6 Burnisher. With 12 RB6 ($\frac{3}{16} \times 1\frac{1}{4}$) blades.....	3.90
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41 B 7357, RB4 Replacement Blades. 2 oz.....	Pkg. of 25 for 3.75
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41 B 7358, RB6 Replacement Blades. 2 oz.....	Pkg. of 25 for 3.75
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DIAMOND-FACED RELAY CLEANERS



Diamond-impregnated spatulas specifically designed for cleaning relay contacts. Require only a gentle, even pressure to do a thorough cleaning job—contact gap is left unchanged. Types 200 and 300 have .055 mm diamond grain; have two diamond faces. Type 400 has .025 mm diamond grain. Type 234 is set of one each of the three types in plastic case, 6" long. Shpg. wt., 2 oz.

Stock No.	Mfr's Type	Description	EACH
41 B 7328	200	For industrial relays	4.95
41 B 7329	300	For intermediate relays	4.95
41 B 7330	400	For sensitive relays	4.95
41 B 7285	234	Set of one ea.: 200, 300, 400	14.85

RELAY CONTACT THICKNESS GAUGE

Type 720N. Extremely useful gauge for measuring thickness of contact spacing in relays and switches. 26 sving-out blades measure thicknesses from .0015" to .025". 3" long, $\frac{1}{4}$ " wide case protects blades when not in use. 3 oz.

41 B 7341.....	3.90
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KR-6 COMPACT 6-PIECE RELAY SERVICE TOOL KIT

Specialty-designed compact relay tool kit made to fit in serviceman's pocket or tool kit. Extremely handy for those emergency "in-plant" calls. Kit includes all the major tools needed to adjust, calibrate and service relays, contacts, and many other types of electro-mechanical equipment. All tools are of the finest-quality carbon steel. Heavily insulated dielectric tools permit adjusting or repairing high-voltage equipment without the necessity of costly and time-consuming power shutdowns. Kit includes: spring adjuster; armature arm bender; armature stop bender; relay spring duckbill plier; burnisher; relay spring-tension gauge, 0-50 grams. All in zippered leather carrying case. Shpg. wt., 2 lbs.

41 B 7351.....	19.90
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KR-6 6-Piece Tool Kit

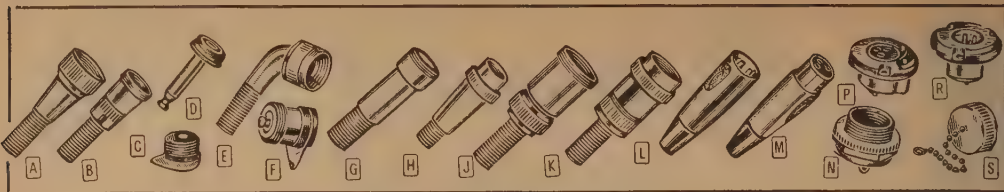
K-55 15-Piece Tool Kit

K-55 15-PIECE RELAY SERVICE TOOL KIT

Precision-made, professionally-designed tools for adjusting and maintaining relays and other electro-mechanical components. Kit includes: two spring adjusters (SA-7, SA-17); duck-bill plier; inspection mirror; armature arm bender; "PENFILE" contact burnisher; spring tension gauge, 0-50 gr.; screwdriver; 4-in-one tool; back-stop bender; angle thickness gauge; tweezers; selector switch brush; pkg. of 12 replacement blades for contact burnisher; "Contact 60" spray. Supplied in heavy vinyl fold-up case, with individual pockets for each tool. Shpg. wt., $\frac{3}{4}$ lbs.

41 B 7350.....	34.00
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Amphenol Microphone and RF Cable Connectors



MICROPHONE CONNECTORS

Most microphones listed in this catalog are supplied less connector. Choose from this complete selection of Amphenol connectors—you'll find one to meet any application. Precision construction assures con-

nections free from noise, leaks or shorts. Cable plugs are equipped with spring-type cord protectors. When splicing 2 cords, use one 75-MC1F and one 75-MC1M connector for a strong, reliable connection.

SERIES 75 SINGLE-BUTTON CONTACT TYPES

Standard connectors $\frac{5}{16}$ " 27 threads; $\frac{3}{16}$ " mounting holes. †Indicates miniature connectors that are approximately half the size and weight of standard counterparts with same specifications. Av. shpg. wt., 3 oz.

Stock No.	Type	Fig.	Description	E.A.
47 B 1958	75-MC1F	A	Cable plug	.64
47 B 1955	75-MC1M	B	Cable plug	.64
47 B 1965	75-PC1M	C	Chassis receptacle, non-shorting	.41
47 B 1962	75-MC1P	D	Phone plug adapter	.52
47 B 1959	75-MC1FA	E	90° angle cable jack	1.31
47 B 1967	75-CL-PC1M	F	Chassis receptacle, closed circuit	.67
47 B 2658	75-2	A	Straight plug	.40
47 B 2659	75-3	B	Cable jack	.28
47 B 2660	75-3	F	Locknut receptacle	.50

SERIES 91 3 AND 4-CONTACT TYPES

For portable equipment. Polarized. Clamps eliminate stress on soldered connections. *3-contact type. †4-contact. Panel $\frac{1}{8}$ " thick, max. Receptacles mount in $\frac{3}{16}$ " hole. Shpg. wt., 3 oz.

Stock No.	Type	Fig.	Description	EACH
47 B 1970	*91-MC3F	K	Female cable jack	1.07
47 B 2667	*91-MC3F1	J	Female cable plug	1.01
47 B 1971	*91-MC3M	K	Male cable plug	1.01
47 B 2668	*91-MC3M1	J	Male cable jack	.97
47 B 1972	*91-PC3F	N	Female chassis receptacle	.73
47 B 2669	*91-PC3M	N	Male chassis receptacle	1.14
47 B 1977	*91-MC4F	K	Female cable jack	1.01
47 B 2670	*91-MC4F1	N	Female cable plug	1.14
47 B 1976	*91-MC4M	K	Male cable plug	1.03
47 B 2672	*91-MC4M1	J	Male cable jack	.99
47 B 1978	*91-PC4F	N	Female chassis receptacle	.72
47 B 2673	*91-PC4M	N	Male chassis receptacle	.98

SERIES 80 SINGLE AND DOUBLE-PIN CONTACT TYPES

For shielded cables, single and two-conductor coax, etc. Center contacts are pin and socket type. *Single-contact type. †Polarized, double-contact. Mount in $\frac{5}{16}$ " hole with max. panel thickness of $\frac{1}{16}$ ". Av. wt., 3 oz.

Stock No.	Type	Fig.	Description	E.A.
47 B 2084	*80-C	N	Female chassis receptacle	.54
47 B 2661	*80-C	N	Male chassis receptacle	.55
47 B 2662	*80-F1	N	Female cable plug	.69
47 B 2081	*80-M	H	Male cable plug	.67
47 B 2663	*80-M1	G	Male cable jack	.62
47 B 2082	*80-MC2F	G	Female cable jack	.71
47 B 2664	*80-MC2F1	H	Female cable plug	.75
47 B 2083	*80-MC2M	G	Male cable plug	.69
47 B 2665	*80-MC2M1	G	Male cable jack	.65
47 B 2085	*80-PC2F	N	Female chassis receptacle	.60
47 B 2666	*80-PC2M	N	Male chassis receptacle	.57

†Type 75-CCG1 Cap and Chain. Seals open chassis units against dirt and dust. Chain has eye for securing to panel. Used with both series 75 and 80 receptacles. Shpg. wt., 3 oz.

47 B 0381.....45

†Type 91-CCG3 Cap and Chain. Protects chassis jacks from dust. Used for series 91 microphone connectors. Shpg. wt., 3 oz.

47 B 2674.....48

SERIES 91 "QUIK" 3 AND 4-CONTACT TYPES

Push together released by slight pressure on lock button. Gold Plated (over silver) bronze contacts. (Incorrect insertions are impossible because connectors are polarized. Satin nickel-plated, zinc-alloy shells. *3-contact type. †4-contact type. Av. shpg. wt., 3 oz.)

Stock No.	Type	Fig.	Description	E.A.
47 B 2065	*91-853	L	Male cable plug	1.73
47 B 2066	*91-854	M	Female cable plug	1.27
47 B 2067	*91-855	R	Male chassis receptacle	1.36
47 B 2068	*91-856	P	Female chassis receptacle	3.14
47 B 2069	*91-857	L	Male cable plug	1.82
47 B 2070	*91-858	M	Female cable plug	2.52
47 B 2071	*91-859	R	Male chassis receptacle	1.49
47 B 2072	*91-860	P	Female chassis receptacle	3.37

CHASSIS AND RF CABLE CONNECTORS



Series 31 BNC Coaxial Connectors. Small, weatherproof connector with bayonet coupling. Low-voltage, single contact. *For 50-ohm RG-55/U and RG-58/U cables. †For 70-ohm RG-59/U, RG-62/U and RG-71/U. Plugs mate with 31-003 or jacks. Av. shpg. wt., 3 oz.

Stock No.	Military No.	Mfr's Type	Fig.	Description	E.A.
47 B 0391	UG-88/U	*31-002	FF	Plug	.64
47 B 2476	UG-88/U	*31-018	FF	Plug	.77
47 B 2477	UG-88/U	*31-202	FF	Plug	.79
47 B 0393	UG-260/U	*31-005	FF	Plug	.68
47 B 0396	UG-260/U	*31-012	FF	Plug	.68
47 B 2478	UG-260A/U	*31-021	FF	Plug	.79
47 B 0397	UG-261/U	*31-015	GG	Jack	1.13
47 B 0395	UG-262/U	*31-011	GG	Panel Jack	2.15
47 B 0492	UG-274/U	*31-008	.....	"T" Adapter	.....
47 B 0392	UG-290/U	*31-003	.....	Receptacle	.72
47 B 2483	UG-290A/U	*31-203	.....	Receptacle	.79
47 B 0399	UG-291/U	*31-001	.....	Panel Jack	1.06
47 B 0394	UG-306/U	*31-009	HH	Adapter, Right-Angle	1.87
47 B 2486	UG-491A/U	*31-218	.....	Male Adapter	2.12
47 B 2132	UG-625/U	5575	GG	Receptacle	.64
47 B 0398	UG-625/U	*31-102	GG	Receptacle	1.13
47 B 2491	UG-1094/U	*31-221	GG	Receptacle	.68
47 B 2496	.....	*31-759	JJ	Shield Grounding Lug	1.5

Series 82 N Coaxial Connectors. Low-voltage. 70 ohms. *50 ohms. 3 oz.

Stock No.	Military No.	Mfr's Type	Fig.	Description	E.A.
47 B 0313	UG-21B/U	82-61	T	Plug	1.17
47 B 2603	UG-57B/U	*82-100	.....	Adapter, Straight Male	2.15
47 B 0312	UG-58/U	82-24	W	Receptacle	.81
47 B 0529	UG-58AU	*82-97	W	Receptacle	.85
47 B 2116	UG-536/U	34000	T	Plug	1.98

Series 83 UHF Coaxial Connectors. Small single contact. Widely used for RF applications. All exposed metal is silver plated for superior performance. *Polystyrene insulation. †Mica-filled. Av. shpg. wt., 3 oz.

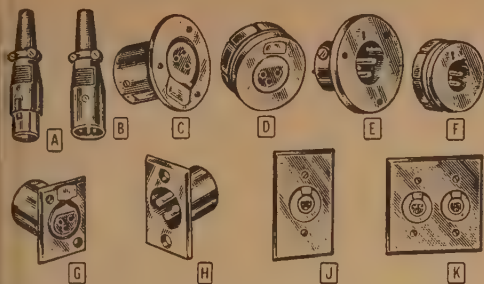
Stock No.	Military No.	Mfr's Type	Fig.	Description	E.A.
47 B 0357	UG-106/U	M-360, 49193	83-1H	X Hood	.32
47 B 2450	UG-111/U	83-750	T	Plug	1.70
47 B 0360	UG-175/U	83-185	DD	Adapter, Reducing	.17
47 B 0359	UG-176/U	83-168	.....	Adapter, Reducing	.17
47 B 0351	UG-177/U	83-765	X	Hook	.32
47 B 0373	UG-203/U	83-776	X	Plug	1.47
47 B 0356	UG-363/U	83-1F	EE	Adapter, Bulkhead	2.27
47 B 0353	UG-646/U	83-1AP	Z	Adapter, Right Angle	1.62
47 B 0354	M-358, 49199	83-1T	.....	"T" adapter	2.97
47 B 2452	M-359A	83-58	.....	Adapter, Angle	1.64
47 B 0355	PL-258, 49191	83-1I	A	Straight adapter	1.11
47 B 0350	PL-259, 49190	83-1SP	V	For RG/U 8, 9, 10, 11, 12, 13, 65	.56
47 B 0352	SO-239, 49194	83-1R	BB	Receptacle chassis type	.53
47 B 2454	PL-259A, 49195	83-756	T	Plug	1.34
47 B 0372	PL-259N	*83-1SPN	V	Plug	.98
47 B 2455	SO-239	*83-1RTV	BB	Receptacle	.85
47 B 2453	SO-239A	83-798	BB	Receptacle	1.17
47 B 2457	PL-259, 49190	83-822	T	Plug	.68
47 B 0361	UG-102/U	83-22SP	.....	Receptacle	1.25
47 B 0362	UG-103/U	83-22R	.....	Receptacle	1.75

Solderless Type UHF Plug Connectors. Av. shpg. wt., 3 oz.

Stock No.	Military No.	Mfr's Type	Fig.	Description	E.A.
47 B 0509		83-850	CC	Plug for RG/U 11	2.72
47 B 0510		83-851	CC	Plug for RG/U 8, 9, 10, 11, 12, 13, 65	1.89

Audio Connectors, Adapter Kit

CANNON XLR AUDIO CONNECTORS



Audio connectors with clamp and resilient socket insulator. Minimize mechanical interference and reduce noise. Feature satin-nickel finish, integral cable clamp, neoprene cable relief and push-action latchlock. First number in Type column indicates number of contacts. -2G in Type No. indicates 2-gang, 3-contact types rated at 15 amp; 4-contact types rated at 10 amp. *Wall-type receptacles; †panel-type receptacles. †Indicates steel shell, others are die-cast zinc. Av. shpg. wt., 4 oz.

STRAIGHT CORD PLUGS

Stock No.	Mfr's Type	Fig.	Description	1-9 EA.	10-49 EA.
47 B 0790	XLR-3-11C	A	Female (socket insert)	1.42	1.30
47 B 1212	XLR-4-11C	A	Female (socket insert)	1.80	1.65
47 B 0983	XLR-3-11SC†	A	Female (socket insert)	4.54	4.16
47 B 0984	XLR-4-11SC†	A	Female (socket insert)	4.62	4.24
47 B 0791	XLR-3-12C	B	Male (pin insert)	1.24	1.13
47 B 1213	XLR-4-12C	B	Male (pin insert)	1.32	1.21
47 B 0985	XLR-3-12SC†	B	Male (pin insert)	3.48	3.32
47 B 0986	XLR-4-12SC†	B	Male (pin insert)	3.73	3.42

WALL AND PANEL RECEPTACLES

Stock No.	Mfr's Type	Fig.	Description	1-9 EA.	10-49 EA.
47 B 1214	XLR-3-13†	C	Female (socket insert)	2.04	1.89
47 B 1215	XLR-4-13†	C	Female (socket insert)	2.12	1.95
47 B 1216	XLR-3-13N†	D	Female (socket insert)	2.12	1.95
47 B 1217	XLR-4-13N†	D	Female (socket insert)	2.86	2.63
47 B 1218	XLR-3-14*	E	Male (pin insert)	.91	.84
47 B 1219	XLR-4-14*	E	Male (pin insert)	.96	.88
47 B 1223	XLR-3-14N†	F	Male (pin insert)	2.23	2.07
47 B 1224	XLR-4-14N†	F	Male (pin insert)	2.43	2.22
47 B 0792	XLR-3-31*	G	Female (socket insert)	2.12	1.95
47 B 1225	XLR-4-31*	G	Female (socket insert)	2.19	2.00
47 B 0793	XLR-3-32*	H	Male (pin insert)	1.21	1.11
47 B 1226	XLR-4-32*	H	Male (pin insert)	1.59	1.46
47 B 0987	XLR-3-35*	J	Female (socket insert)	5.24	4.81
47 B 0988	XLR-4-35-2G*	K	Female (socket insert)	9.65	8.84

G-C ELECTROCRRAFT SOLDERLESS PHONO PLUGS

Handy right-angle design for fast, positive connections. Plastic shells. For std. shielded cable with 1/8" O.D. Overall length, 1 1/2". Pin dia., 1/16". Wt., 2 oz.



Stock No.	Mfr's Shell Type	Color	Stock No.	Mfr's Shell Type	Color
47 B 6117	33-776	Gray	47 B 6120	33-782	Yellow
47 B 6118	33-778	Black	47 B 6121	33-784	Blue
47 B 6119	33-780	Red			

1-9 Ea. 31 10-99 Ea. 28

PERMONITE PHONO PIN PLUG AND JACK

Standard phono pin plug and jack used in most audio equipment. Take single conductor shielded cable. Av. shpg. wt., 2 oz. 10 per pkg. 47 B 6057, Pin Plug MP-101B..... Per Pkg. 31 47 B 6058, Pin Jack FS-101..... Per Pkg. 43



SWITCHCRAFT HANDY ADAPTER KIT

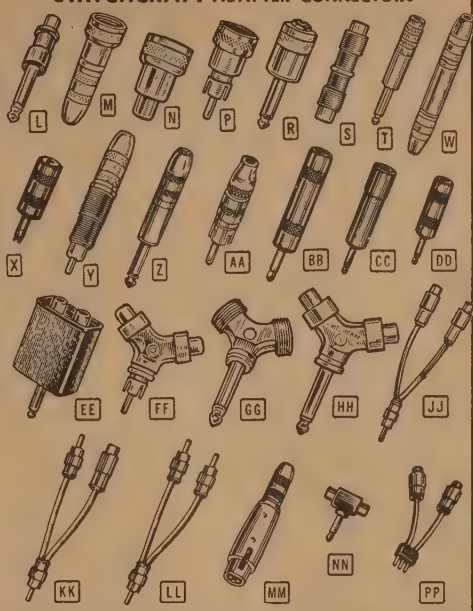
Eleven of the Most Popular Adapters, plus Cable, in a Single Handy Case



Type 331A. Consists of 11 audio adapters and one cable in a plastic box. Includes one each of the following types: 25A-E25—36" shielded cable with 1/8" phono plug each end; 25V—micro-connector; Y-adapter; 330F1 flexible Y-adapter with phono connectors; 332A, 2-cond. phone jack input to female mike output; 334A, phone jack input to female mike connector output; 336A, phone jack input to 2-cond. phone plug output; 336B, phone jack input to phono jack output; 345, phono jack input to phono plug output; two each: Type 44 adapter, male mike input to phono plug output; Type 349 coupler, phono jack at each end. Shpg. wt., 1 lb.

47 B 4906 9.60

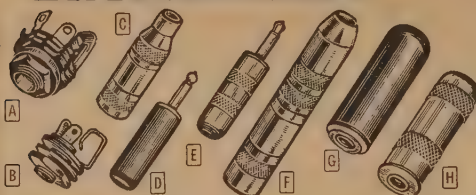
SWITCHCRAFT ADAPTER CONNECTORS



Provide quick, sure interconnection of audio equipment whose existing connectors do not mate. Positive mating contacts prevent resistive line losses. All are shielded to assure reduction of hum. Types 332A, 334A, 336B may be used with either male or female types—coupling ring is removable. Nos. 369, 374, 375, 376, 377 have shielded, nickel-plated brass handles. No. 378 for two separate earphones. Av. wt., 6 oz.

Stock No.	Type	Fig.	Description	EA.
47 B 0382	345A	L	Phone plug out; phone jack in.	.87
47 B 1768	332A	M	2-cond. phone jack input to female or male mike output; main body 1/2".	1.17
47 B 1769	334A	N	Phone jack input to female microphone connector output.	.96
47 B 1795	338B	P	Phone plug to mike connector.	.84
47 B 0940	364A	R	2-cond. "tini-jack" input; standard phone plug out.	1.05
47 B 1774	349A	S	Phone jack coupler mates with phone plug at each end; gray plastic.	.75
47 B 1779	369	T	Std. 2-cond. phone plug to 2-cond. short extension jack (used on late models Revere and Wollensak recorders).	1.35
47 B 0938	361	W	2-cond. phone jack coupler mates with phone plug at each end.	1.50
47 B 1799	377	X	"Micro-jack" input to 2-cond. "tini-plug".	1.05
47 B 1772	336A	Y	2-conductor phone jack input to phono plug output; main body 1/4".	1.17
47 B 1618	352	Z	3-cond. phone jack to 2-cond. phone plug output.	1.35
47 B 1619	365	AA	2-cond. "tini-jack" input to standard phone plug output.	1.05
47 B 1789	374	BB	Phone jack to 2-cond. "tini-plug".	.84
47 B 1788	370	CC	Phone jack to 2-cond. "micro-plug".	1.05
47 B 1797	375	CC	Phone jack to 2-cond. "micro-plug".	1.05
47 B 1798	376	DD	Tini-jack input to 2-cond. micro-plug.	1.05
47 B 1721	353	EE	Adapter for using 2 stereo headsets from single 3-cond. jack; 3-cond. phone plug to two 3-cond. phone jacks.	2.85
47 B 0939	340	EE	2 std. phone jack inputs paralleled to 2-cond. phone plug output.	2.40
47 B 1764	330F	FF	2 phone jacks connected in parallel to standard phone plug output.	1.17
47 B 1994	330M	GG	Y-adapter, 2 male mike connectors to standard 2-cond. phone plug.	1.35
47 B 1229	330PJ	HH	Y-adapter, standard phone plug to 2 phone jacks.	1.35
47 B 1686	330F1	JJ	Flexible Y-connector; 2 phone jacks to std. phone plug. Shielded, 4".	1.35
47 B 1699	330F2	KK	Same as above, but phono plug and phono jack to phono plug.	1.35
47 B 1722	330F3	LL	Same as above two types, but 1 phone plug to two phone plugs.	1.35
47 B 1732	378	MM	"Tini-Tee" Adapter, 2-cond. "Tini-Plug" input to two 2-cond. "Tini-Jack" outputs.	1.44
47 B 1733	383	NN	3-pin switchcraft A3F female microphone input to 2-cond. Ext. Phone jack output.	2.85
47 B 1734	330B	PP	Adapts Lear Jet Model HSA-900 tape recorder to RCA, or units with a 3 contact in-line socket assembly.	1.50

SWITCHRAE INC. Plugs and Jacks



"LITTEL-JAX" PHONE JACKS

A Take standard $\frac{1}{4}$ " phone plugs, except S-11, which takes S250, S280 and 385 plugs, and C-12B which takes 480 Military-type, "Litte-Plug" $\frac{1}{4}$ " dia. $\frac{1}{2}$ " overall, with a $\frac{3}{4}$ " dia. threaded shank, $\frac{1}{4}$ " long. L-11 and L-12A have bushing $\frac{1}{4}$ " long. SCC indicates single closed circuit; OC indicates open circuit. Av. shpg. wt., 3 oz.

Stock No.	Type	Diag.	Cond.	Circuit	JAN Type	EACH
47 B 4955	11	I	2	OC		.27
47 B 4957	C-11	I	2	OC	JJ-034	.33
47 B 4959	S-11	I	2	OC		.30
47 B 4961	S-11	I	2	OC		.30
47 B 4963	12A	II	2	SCC		.30
47 B 4965	C-12A	II	2	SCC	JJ-089	.48
47 B 4967	L-12A	II	2	SCC		.36
47 B 4969	L-12B	III	3	OC		.36
47 B 4971	C-12B	III	3	OC	JJ-033	.48
47 B 4973	13B	IV	3	SCC		.51

"TINI-JAX" SUBMINIATURE PHONE JACKS

B Extra-small 2-conductor jacks for "Tini-Plugs," $\frac{1}{16}$ " long; fit $\frac{1}{8}$ " hole. OC, open circuit; CC, closed circuit. Av. shpg. wt., 2 oz.

Stock No.	Type	Diag.	Cond.	Circuit	EACH
47 B 4983	41	I	2	OC	.30
47 B 4985	42A	II	2	CC	.27

JACK SCHEMATIC DIAGRAMS



C Type 125 "Tini-Extension Jax." Two-conductor; solder lug terminals. Mates with "Tini-Plugs," below. Wt., 2 oz.
47 B 1472.....81

"TINI-PLUGS" SUBMINIATURE PHONE PLUGS

For use with "Tini-Jax," $\frac{1}{16}$ " overall length. 2-conductor. Wt., 2 oz.

Stock No.	Type	Fig.	Ter.	Handle	EACH
47 B 1518	740	D	Screw	Black	.51
47 B 1519	745	D	Screw	Red	.51
47 B 1520	750	D	Solder	Black	.48
47 B 1521	755	D	Solder	Red	.48
47 B 1522	170	E	Screw	Shielded	.69
47 B 1523	780	E	Solder	Shielded	.66

"EXTENSION JAX" CABLE EXTENSION JACKS

Fit standard $\frac{1}{4}$ " plugs. $\frac{1}{16}$ " O.D.; $\frac{3}{16}$ " long. 121 and 131 $\frac{1}{2}$ " O.D.; $\frac{2}{4}$ " long. All are open circuit type. Shpg. wt., 3 oz.

Stock No.	Type	Fig.	Cond.	Ter.	Handle	EACH
47 B 1571	80	G	2	Screw	Black	.75
47 B 1718	88	G	2	Solder	Black	.66
47 B 1572	120	H	2	Screw	Shielded	1.02
47 B 1473	121	F	2	Solder	Shielded	1.08
47 B 1474	131	F	3	Solder	Shielded	1.35
47 B 2971	830	G	3	Screw	Black	1.02
47 B 1717	1230	H	3	Screw	Shielded	1.32

ULTRAMINIATURE PLUGS AND JACK

J TR Series "Micro-Plugs." Handy ultraminiature plugs and jack featuring same uniformity, dependability and quality construction as famous "Litte-Plugs" and "Tini-Plugs." Extremely small, only $\frac{1}{16}$ " long; $\frac{1}{16}$ " O.D.— $\frac{1}{2}$ the size of standard plugs! Have nylon insulation between tip and sleeve circuits; sleeve terminal is tinned brass. Tip and sleeve are nickel-plated machined brass. All have sleeve circuit cable clamp; accommodate cables to $\frac{1}{4}$ " dia. With screw-on anodized aluminum handle. Shpg. wt., 2 oz.

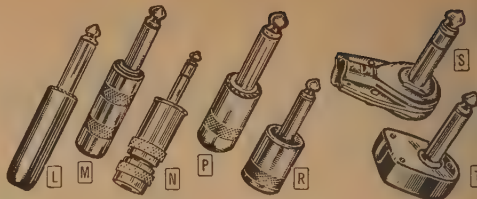
47 B 2554, Type 850, Black Handle.....	.45
47 B 2555, Type 855, Red Handle.....	.45
47 B 2556, Type 880, Natural Handle.....	.45

K TR-2A "Micro-Jax." For "Micro-Plugs," 2 cond., sgl. closed circuit; also usable as 2 cond. open circuit. Requires .190" mounting hole. Fits panels up to $\frac{1}{2}$ " thick. Shpg. wt., 2 oz.
47 B 4995.....30

THICK-Panel PHONE JACKS

Have extra long bushings for use in panels up to $\frac{1}{4}$ " thick. Ideal for wall paneling, hi-fi installations, etc. Shielded for microphone use. Require $\frac{1}{2}$ " mounting hole. Wt., 2 oz.

47 B 4908, Type 151, 2 Conductor.....	.90
47 B 4912, Type 152B, 3 Conductor.....	.99



"LITTEL-PLUG" PHONE PLUGS

Small-size phone plugs; fit standard $\frac{1}{4}$ " phone jacks, except Types S250 and S280. 206" sleeve for S-11 "Litte Jax" and for Bell & Howell equipment; Type R280 which has short sleeve for Revere recorders. Plugs with solder terminals feature built-in cable clamp; others do not include cable clamp. Metal (shielded) handles are nickel-plated brass; for use in microphone or other input leads as well as outputs requiring continuous shield. All handles are $\frac{1}{16}$ " long and $\frac{1}{2}$ " in diameter. Av. shpg. wt., 4 oz.

Stock No.	Type	Fig.	Cond.	Color	Terminals	EACH
47 B 1553	240	L	2	Black	Screw	.51
47 B 1554	245	L	2	Red	Screw	.51
47 B 1611	250	L	2	Black	Solder	.48
47 B 1614	S250	L	2	Black	Solder	.51
47 B 1612	255	L	2	Red	Solder	.48
47 B 1555	260	L	3	Black	Screw	.81
47 B 1616	267	L	3	Black	Screw	.72
47 B 1573	270	M	2	Metal	Screw	.72
47 B 1613	280	M	2	Metal	Solder	.69
47 B 1556	R280	M	2	Metal	Solder	.90
47 B 1519	S280	M	4	Metal	Solder	.69
47 B 2967	290	M	3	Metal	Screw	.86
47 B 1617	297	M	3	Metal	Solder	.90

STANDARD PHONE PLUGS

Standard-size $\frac{1}{4}$ " 2- and 3-conductor type phone plugs to fit all standard jacks. Metal (shielded), red or black molded bakelite handles; $\frac{2}{16}$ " long, $\frac{1}{4}$ " diameter, except 1" long. Type 170 is similar to 70, but has 2-piece handle with cable clamp for $\frac{1}{4}$ " cable. No. 190A is similar to 90, but has same handle as 170. Metal (shielded) handle types are for use in microphone or input cables and wherever continuous shielding is required. Av. shpg. wt., 5 oz.

Stock No.	Type	Fig.	Cond.	Color	Terminals	EACH
47 B 1557	40	L	2	Black	Screw	.51
47 B 1447	45	L	2	Red	Screw	.51
47 B 1558	60	L	3	Black	Solder	.69
47 B 1559	70	M	2	Metal	Screw	.86
47 B 1560	90*	R	3	Metal	Solder	.90
47 B 1561	160*	R	2	Metal	Screw	.66
47 B 1562	170	N	2	Metal	Screw	1.11
47 B 1563	190A	N	3	Metal	Solder	1.32

"LUG-PLUG" PHONE PLUGS

Low-cost two-conductor, phone plugs. All fit $\frac{1}{4}$ " jacks. Have solder terminals. Exterior parts bright nickel plated. Black handle is $\frac{1}{16}$ " long, $\frac{1}{2}$ " diameter. Type 380 has shielded, bare metal handle 1" long, $\frac{1}{2}$ " diameter. Av. shpg. wt., 4 oz.

Stock No.	Type	Figure	Color	EACH
47 B 1564	350	L	Black	.39
47 B 1566	380	P	Black	.51

FLAT PHONE PLUGS

$\frac{1}{4}$ " phone plugs featuring flat, space-saving handles. Ideal for applications where conventional plugs would protrude too far and interfere with operation of equipment, prevent installation in tight quarters, etc. Fig. T units have easily removable plastic handle; Fig. S units have shielded steel handle, bright nickel plated. Types 220 and 225 will accept standard phone tips. Type S230 is commercial version of Military Type PJ-068 plug, has .206" diameter sleeve and tip. Terminals and body are mechanically interlocked. Av. shpg. wt., 4 oz.

Stock No.	Type	Fig.	Cond.	Color	Terminals	EACH
47 B 1621	220	T	2	Black	Screw	.75
47 B 1622	225	T	2	Red	Screw	.75
47 B 1502	227	T	2	Black	Solder	.60
47 B 2968	228	S	2	Metal	Solder	.66
47 B 1568	230	T	3	Black	Screw	.93
47 B 1569	235	T	3	Red	Screw	.93
47 B 1503	237	T	3	Black	Solder	.90
47 B 2969	238	S	3	Metal	Solder	.99
47 B 2970	S230	T	3	Black	Solder	1.20



SCHEMATIC

STEREO

"LITTEL-JAX"

Three-conductor jack for switching-out speakers when connecting stereo headphones and for switching three-wire stereo input circuits.

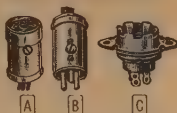
Mates with Switchcraft $\frac{1}{4}$ " "Litte-Plugs" such as 260, 267, 269 and 297. Insulation XPP phenolic. Spring-tempered nickel-silver alloy. Integral contacts standard in the separate switching circuits. Nickel-plated brass bushing mounts in $\frac{3}{4}$ " dia. hole. Length behind panel, 1". With locknut and washer. Shpg. wt., 3 oz.
47 B 4924, Type 14B.....63

Connectors, Jacks and Plugs

AMPHENOL CONNECTORS

SERIES 78 AND 91 MINIATURE CABLE CONNECTORS

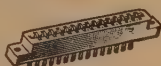
Compact connectors for shielded or unshielded cables. Polarized contacts prevent incorrect insertion. For cables up to 1/4" dia. Last letter in Type No. indicates: L, long (1 3/4"); S, short (1 1/4"). Last fig. in Type No. denotes no. of contacts. PCG—chassis type. Figs. A and C are female types; Fig. B, male type. Av. shpg. wt., 2 oz.



Stock No.	Type	Fig.	EA.	Stock No.	Type	Fig.	EA.
47 B 0320	91-MPF3L	A	.47	47 B 0574	91-MPM4S	B	.39
47 B 0571	91-MPF3S	A	.47	47 B 0570	91-MPM5L	B	.44
47 B 0321	91-MPF4L	A	.49	47 B 0328	91-MPM6L	B	.47
47 B 0572	91-MPF4S	A	.46	47 B 0330	78-PCG3	C	.31
47 B 0325	91-MPM3L	B	.42	47 B 0331	78-PCG4	C	.35
47 B 0573	91-MPM3S	B	.37	47 B 0332	78-PCG5	C	.39
47 B 0326	91-MPM4L	B	.43	47 B 0333	78-PCG6	C	.40

SERIES 143 PRINTED-CIRCUIT RECEPTACLES

For PC networks. Mate with standard .055" to .073" PCB board. "Circle Lip" contact entrance ensures firm contact with varying thickness of board; will not set. Diallyl phthalate dielectric; nontarnishing gold-plated contacts. Contacts on .156" centers. Maximum card insertion length is 1.097" for 143-006; 3.597" for 143-022. Average breakdown voltage: 5000 volts DC at sea level; 1150 volts DC at 60,000 ft. All are rated at 5 amps. *Polarizing key. Av. wt., 3 oz.



Stock No.	Type	Contacts	EACH	Stock No.	Type	Contacts	EACH
47 B 1090	006-01	6	1.04	47 B 0501	143-01	18	1.44
47 B 0503	010-01	10	1.16	47 B 0502	022-01	22	1.68
47 B 2675	012-01	12	1.21	47 B 2676	953		.02
47 B 0500	015-01	15	1.25				

MINIATURE RACK PANEL AND CABLE CONNECTORS

Molded of diallyl phthalate dielectric material. Solder contacts gold finished over silver plating. Fig. E is hex nut type with threaded body for direct mounting to panel. Has locking clip for mating with Fig. D, hood and cable-clamp type. Fig. D is two-piece for easy wiring, has cable clamp for strain relief of soldered connections. Locking ring engages locking clip on mating unit. Both Fig. D and Fig. E available with either socket or pin contacts. Voltage breakdown, 2000 volts rms 60 Hz at sea level. Current rating, 7.5 amps. Diameter of locking clip type, 3/8". Mold and clamp type, 1/2". Length of cable-clamp type 1 3/4". *Female version of Fig. D; female version of Fig. E, 5 oz.



Stock No.	Mfr's Type	Contacts	Fig.	EA.	Stock No.	Mfr's Type	Contacts	Fig.	EA.
47 B 0644	126-217	5	D	1.40	47 B 0638	126-216	5	+	.67
47 B 0646	126-195	7	D	1.54	47 B 0640	126-197	7	+	.80
47 B 0648	126-220	9	D	1.66	47 B 0642	126-219	9	+	.92

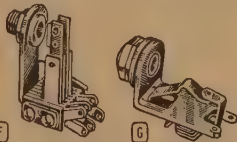
MALE CONNECTORS

Stock No.	Mfr's Type	Contacts	Fig.	EA.	Stock No.	Mfr's Type	Contacts	Fig.	EA.
47 B 0645	126-223	5	*	1.81	47 B 0639	126-218	5	E	1.08
47 B 0647	126-196	7	*	2.09	47 B 0641	126-198	7	E	1.20
47 B 0649	126-222	9	*	2.39	47 B 0643	126-221	9	E	1.66

FEMALE CONNECTORS

JUNIOR PHONE JACKS

F Compact jacks for standard 1/4" phone plugs. Require only 1 1/2" behind panel. Cadmium-plated frames; nickel-plated brass shank, springs, mtg. hardware. 3/4" dia. threaded shank for panels 1/4" thick. Silver contacts. *Conductors in mating plug. Wt., 3 oz.



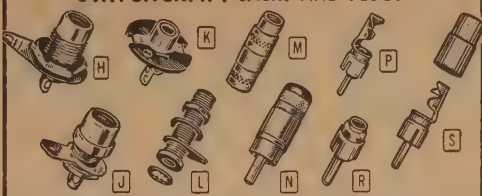
Stock No.	Mfr's Type	*Cond.	Circuit	Diagram	1-9	10-49
47 B 1054	701	2	Open	I	.45	.40
47 B 175	702A	2	Closed	II	.57	.51
47 B 1058	703B	3	Open	III	.57	.51
47 B 1059	703B	3	Closed-Transfer 1	IV	.60	.54
47 B 1060	704B	3	Closed-Transfer 2	V	.69	.62

MIDGET AND INFANT PHONE JACKS

G Extremely small "Midget" and "Infant" type jacks for limited-space applications. All take 1/4" phone plug. "Midget" type requires only 1 1/2" mounting space behind panel; "Infant" type requires only 1/4" behind panel. Cadmium-plated steel frames with nickel-plated brass shank, springs, and mounting hardware. 3/8" threaded shank for mounting in panels up to 1/4" thick. Conductors in mating plug. All are "Midget" type except A-1 "Infant" type jack (not illustrated). Av. shpg. wt., 2 oz.

Stock No.	Mfr's Type	*Cond.	Circuit	Diagram	1-9	10-49
47 B 1050	A-1	2	Open	I	.33	.30
47 B 1051	A-2	2	Shorting	VI	.48	.43
47 B 1053	A-2A	2	Closed	II	.57	.51
47 B 1056	A-3A	2	Closed-Transfer 1	VII	.66	.59

SWITCHCRAFT JACKS AND PLUGS



Easy-to-install phonograph jacks, phone pin plugs, and extensions. 3 oz.

Stock No.	Mfr's Type	Fig.	Description	EACH
47 B 4900	3501FR	J	Jack, rear-panel mtg. 1/4" mtg. hole	.27
47 B 4902	3501FP	K	Jack, front-panel mtg. 1/4" dia.	.21
47 B 1574	3501F	L	Standard 2-cond. audio jack	.09
47 B 4904	371	M	Adapter to mount 3501FP in panels up to 1 1/2" thick	.75
47 B 1778	3503	M	Extension jack, shielded. Removable 1 1/2" O.D. shell w/ cable clamp	.39
47 B 1762	3502	N	Plug, shielded. 1 1/2" O.D. easy-grip handle	.30
47 B 1763	3501MC	P	Plug, unshielded. 3/8" O.D. shell, cable clamp	.09
47 B 1599	3501M	R	Plug for 3501F, 3501FP, 3501FR, 3503	.06
47 B 1575	3508-1	S	Phone plug, red handle	.15
47 B 1576	3508-2	S	Phone plug, black handle	.15
47 B 1577	3508-5	S	Phone plug, white handle	.15

MINI-CON MINIATURE MICROPHONE CONNECTORS

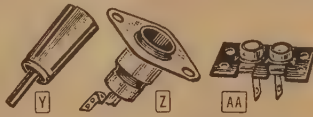
About one-half size of standard mike connectors. For use with single-conductor shielded cables to 3/8" O.D. Nickel-plated brass bodies. Coupling ring on 5501F removable for quick change of female to male type. Cable-braid spring clamped to body by hollow set screw. 5501M mounts in 3/8" hole. Av. shpg. wt., 2 oz.



Stock No.	Type	Fig.	Desc.	EACH
47 B 4920	5501F	T	Female	.39
47 B 4925	5501M	X	Male	.30
47 B 4927	5501MP	W	Male	.24

H. H. SMITH MOTOROLA-TYPE STD. PLUGS AND JACKS

Fig. Y. Antenna lead-in plug to connect auto antenna lead-in to radio. Pin dia. 1/4". Fig. Z. Jack to mate with Fig. Y plug. 1/4" mtg. ctrs. Fig. AA. Jacks to mate with standard pin plugs. 1/4"x1" 1 oz.



Stock No.	Mfr's Type	Fig.	Description	PER PKG. OF 5	2-9
47 B 1135	1200	V	Motorola-Type Plug	.53	.50
47 B 1137	1207	Z	Motorola-Type Jack	.48	.45
47 B 1138	1214	AA	Double Phone Jack	.90	.80

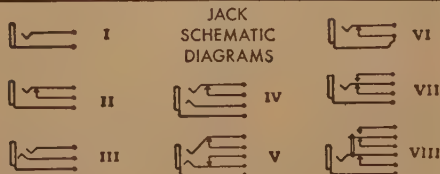
MALLORY PHONE JACKS

LONG-FRAME PHONE JACKS

Industrial-type jacks are ideal for headphones, microphone cord and plug connections, etc. Take standard 1/4" phone plugs. Mount in 3/4" dia. hole in panels up to 1/4" thick by means of a 3/8" threaded shank. Cadmium-plated frames; bushings and springs are nickel plated. Silver contacts for low contact resistance. Size, 3/16"x1/4"x3/8" wide. *Indicates number of conductors in mating plug. Av. shpg. wt., 4 oz.



Stock No.	Mfr's Type	*Cond.	Circuit	Diagram	1-9	10-49
47 B 1745	1	2	Open	I	.45	.40
47 B 1746	2	2	Shorting	VI	.57	.51
47 B 1747	2A	2	Closed	II	.57	.51
47 B 1055	5	2	Closed & Transfer	VIII	.90	.81



Binding Posts, Plugs and Jacks

H. H. SMITH



5-WAY and MULTI-PURPOSE BINDING POSTS

A Type 208. Five-way metal binding post. Accepts banana plug, phone tip, spade lug, alligator clip or wire strand. Mounts in 177 holes in panels from $\frac{1}{8}$ " to $\frac{3}{4}$ " thick. Body: brass, nickel-plated. Head: captive, hex brass nickel-plated. Has wrap-around solder stud. With 2 mounting nuts. Shpg. wt., 3 oz.
47 B 1327..... Each .33

B Type 224 BB. Dual 5-way binding post assembly with black, insulated fluted heads. Accepts single or dual banana plugs. Mounts in two $\frac{1}{8}$ " holes on $\frac{1}{4}$ " mounting centers in panels up to $\frac{1}{4}$ " thick. Has solder stud, $\frac{3}{4} \times 1\frac{1}{2}$ " base. Body: brass, nickel-plated. With 4 mtg. nuts. Wt., 4 oz.
47 B 1328..... Each .54

R Type 269BB. Similar to Type 224, above, but has black hex-grip insulated heads. Shpg. wt. 4 oz.
47 B 1329..... Each .70

47 B 1324, Type 269 RB. As above, with one black, one red head. 70

Multi-Purpose Posts. Rated 2000 V, 30 amps. Captive heads. Length shown is total closed. For panels $\frac{1}{8}$ " to $\frac{1}{4}$ " thick. "Locking edge." 1 Banana plug jack in head; also accepts phone tip, lug, etc. 1 Grounding type. 1 Take solder connection to stud. Av. shpg. wt., 2 oz.

Stock No.	Type	Fig.	Mounting	Length	Color	EACH
47 B 1368	257*18	C	$\frac{1}{4}$ "	1 1/4"	Red	.40
47 B 1367	257*18	C	$\frac{1}{4}$ "	1 1/4"	Black	.40
47 B 1330	2201*	D	$\frac{1}{4}$ "	1 1/4"	Red	.22
47 B 1335	2201*	D	$\frac{1}{4}$ "	1 1/4"	Black	.22
47 B 1369	2201*	E	$\frac{1}{4}$ "	1 1/4"	Red	.40
47 B 1389	260**	E	$\frac{3}{8}$ "	1 1/4"	Black	.40
47 B 1394	377**	F	$\frac{1}{4}$ "	1 1/4"	Red	.35
47 B 1395	377**	F	$\frac{1}{4}$ "	1 1/4"	Black	.35
47 B 1397	378**	F	$\frac{3}{8}$ "	1 1/4"	Red	.35
47 B 1398	378**	F	$\frac{3}{8}$ "	1 1/4"	Black	.35

C Type 110. Brass, for heavy-duty use. $\frac{1}{4}$ " long. $\frac{3}{8}$ " mounting hole. Rated at 50 amps, 60 Hz AC. Shpg. wt., 2 oz.
47 B 1371..... Each .24

STANDARD $\frac{1}{4}$ " PHONE PLUGS AND JACK



2-conductor phone plugs and jack. Plugs have screw-type terminals and are available with either red or black bredded insulation. Terminals are plastic handles; all metal parts, except screws, have nickel plating. Terminals, insulation, plus body and tip rod are mechanically interlocked to prevent turning. Overall length, 2 1/4". Open circuit. 2-conductor jack has $\frac{3}{8}$ " diameter threaded shank $\frac{3}{8}$ " long; requires only 1" behind panel. Interlocked for dependable operation. Av. shpg. wt., 3 oz.

Stock No.	Type	Fig.	Description	EACH
47 B 1017	222	H	Standard Phone Plug (black)	.46
47 B 1018	222	H	Standard Phone Plug (red)	.46
47 B 1019	275	J	Standard Phone Jack	.24

AMPHENOL MINIATURE AND STANDARD PLUGS

TYPE 71 MINIATURE HIGH-DIELECTRIC PLUGS



Compact, efficient, high-dielectric plugs. Excellent for transmitters, receivers, intercoms and speaker connections. Securely anchored, nickel-plated brass prongs; deeply recessed to prevent shorts caused by pulled back insulation. Easily soldered. For cables with up to six conductors. Contacts are polarized to assure proper connections. Fit Amphenol 78-S3S, 78-S4S, 78-S5S, 78-S6S retainer-ring type miniature sockets listed on page 339. Rated at 5 amps @ 500 volts. Av. shpg. wt., 2 oz.

Stock No.	Mfr's Type	Prongs	EA.	Stock No.	Mfr's Type	Prongs	EA.
47 B 0177	71-3S	3	.11	47 B 0149	71-5S	5	.15
47 B 0169	71-4S	4	.14	47 B 0179	71-6S	6	.17

TYPE CP STANDARD BAKELITE PLUGS



Bakelite plugs for chassis connectors with plug-in units. Use adapter plate below for replacement mounting, rms voltage ratings: 86-CP4, 2000 V; CP-11 and CP-12, 500 V; all others, 1250 V. With mounting ring for 1944 holes except #1744 keyed hole. Have guide post and aligning key. CP7L has large pin; CP7S has small. Fit Amphenol MIP standard tube sockets, page 339. Av. shpg. wt., 2 oz.

Stock No.	Mfr's Type	Pins	EA.	Stock No.	Mfr's Type	Pins	EA.
47 B 0015	86-CP4	4	.23	47 B 0020	86-CP8T	Oct	.25
47 B 0016	86-CP5	5	.23	47 B 0021	86-CP9P	9	.26
47 B 0017	86-CP6	6	.25	47 B 0022	86-CP11T	11	.27
47 B 0018	86-CP7L*	7	.26	47 B 2654	86-CP12T	12	.28
47 B 0019	86-CP7S	7	.26				

Type 12-001-03 Adapter Plate. Nickel-plated steel. For use with all CP plugs above except 86-CP7L. $\frac{1}{2}$ " to $\frac{1}{4}$ " mtg. centers. 2 oz.
47 B 0023..... Each .05

ACI UNIVERSAL "ADLOC" BINDING POST



- "Push" for Quick Positive Lock and Disconnect
- Secure Connections Are Made from the Top

Push down on top, insert wire (up to 12 gauge), release and positive contact is made instantly. To disconnect, just push again. Can take several wires at same time. Also accepts spade lugs, plugs, clamps and prods. Brass nickel-plated post, nylon plastic insulator. Rated 30 amps at 1000 v rms. Mount in .314" hole in panels $\frac{1}{8}$ " to $\frac{1}{4}$ ". Size, $2\frac{1}{2} \times \frac{3}{4}$ ". Wt., 3 oz.
24 B 9025, Type AL2000B, Black..... Each .55
24 B 9026, Type AL2000R, Red..... Each .55

E. F. JOHNSON POSTS AND PLUGS

Six-Way Molded Binding Posts. Silver-plated brass shank. Insulation resistance over 200 megs. Rated at 15 amps; breakdown, 8000 VDC. Size, $1\frac{1}{2} \times \frac{3}{4}$ ". Plug to nut for mtg. in $\frac{3}{4}$ " dia. hole. Shpg. wt., $\frac{1}{2}$ oz.

Stock No.	Type	Color	Stock No.	Type	Color
47 B 6323	111-101	White	47 B 6333	111-110	Green
47 B 6329	111-102	Red	47 B 6290	111-104	Blue
47 B 6332	111-103	Black	47 B 6335	111-107	Yellow

Your Choice..... Each .30

111-20 Mounting Plate. Etched aluminum. For mtg. 2 nylon binding posts or banana jacks on $\frac{1}{4}$ " ctrs. $1\frac{1}{4} \times \frac{1}{2}$ ". 2 oz.
47 B 6336..... Each .02



Solderless Dual Banana Plugs. Molded body has polarity indication and strain relief hole for wire leads. Plug springs are nickel-silver. Body is nickel-plated, machined brass. Brass studs. Pins have $\frac{1}{4}$ " spacing. Rated 15 amps; breakdown, 10,000 VDC. Plug-to-plug capacity, 1.3 μ F. Overall length, 1 1/2". Shpg. wt., 1 oz.

Stock No.	Type	Color	Stock No.	Type	Color
47 B 6337	108-201	White	47 B 6344	108-204	Green
47 B 6338	108-202	Red	47 B 6291	108-210	Blue
47 B 6339	108-203	Black	47 B 6347	108-207	Yellow

Your Choice..... Each .70

E. F. JOHNSON BANANA JACKS AND PLUGS



Series 108. Low-loss body. Capacity to $\frac{1}{2}$ " metal panel, 2.4 μ F. Breakdown test, 10,000 VDC. Jack (Fig. K) has cadmium-plated insert. Supplied with $\frac{3}{8}$ " x 3" nut for mtg. Jack in $\frac{3}{4}$ " dia. hole. Plugs (Fig. L) have one-piece nickel-plated brass body and pin with nickel-silver springs. Solderless connection takes up to No. 16 stranded wire. Insulating sleeve on plug, 6 inches. Overall lengths: Jack, $\frac{1}{2}$ " plug, $1\frac{1}{2}$ ". Av. shpg. wt., 2 oz.

Color	Stock No.	Type	Fig.	EA.	Stock No.	Type	Fig.	EA.
White	47 B 6371	108-901	K	.10	47 B 6379	108-301	L	.19
Black	47 B 6372	108-902	K	.10	47 B 6380	108-302	L	.19
Black	47 B 6373	108-903	K	.10	47 B 6381	108-303	L	.19
Green	47 B 6374	108-904	K	.10	47 B 6382	108-304	L	.19
Blue	47 B 6297	108-910	K	.10	47 B 6298	108-310	L	.19
Yellow	47 B 6377	108-907	K	.10	47 B 6384	108-307	L	.19

H. H. SMITH DOUBLE PLUG



Type 210. Dual plug for standard banana jacks. Molded as a unit on $\frac{1}{4}$ " centers. Jacks in top permit use of units in tandem. Body: molded polystyrene, per Fed. Spec. L-P416. Type 1. Brass plug, nickel plated. Accepts phone tip or wire up to #12, held with internal set screw. Polarity indicated on top and side. Has 15-ampere rating. Body size, $1\frac{1}{2} \times 1\frac{1}{4}$ ". Shpg. wt., 3 oz.
47 B 1792..... Each .72

SUPERIOR AC 5-WAY BINDING POST



Type DAPI5BWC Dual-Adapter Binding Post. Facilitates line voltage connections from AC output receptacles to binding posts. Has integral parallel blade plug. Rated at 15 amps, 125 volts. Brass parts are gold-plated. Accepts spade lugs, banana plugs, clip leads, up to No. 12 wire with up to six conductors. Contacts are polarized to assure correct connection. Has black body with 1 white and 1 black thumbnut. Shpg. wt., 3 oz.
47 B 1041, I-9..... Each 1.50 10-99..... Each 1.13

SUPERIOR HEX-NUT TYPE BINDING POSTS

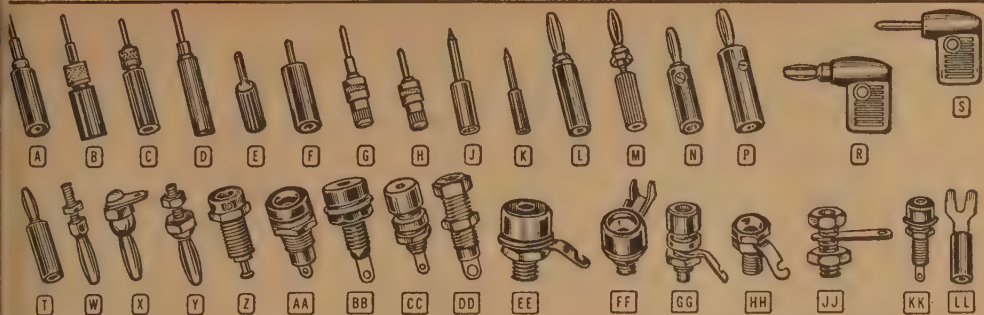


Exceptionally versatile posts take spade lugs, banana plugs, clip leads, up to No. 12 wire through center hole, or looped and clamped around shank. All have gold-plated brass current-carrying parts and nylon plastic insulator. Accepts phone tip or wire except Type GP30NC, which is nickel-plated grounding-type binding post. All rated 30 amps at 1000 volts. Mount in $\frac{1}{2}$ " holes in panels $\frac{1}{8}$ " to $\frac{1}{4}$ " thick. Size, $2\frac{1}{2} \times \frac{1}{2}$ " diameter. With hexagonal thumbnut. Shpg. wt., 2 oz.

Stock No.	Type	Color	Stock No.	Type	Color
47 B 1172	DF30VC	Yellow	47 B 1178	DF30VC	Red
47 B 1173	DF30NC	Green	47 B 1188	DF30NC	Blue
47 B 1174	DF30WC	White	47 B 1000	GP30NC	No nickel
47 B 1177	DF30BC	Black			

Your Choice..... Each .40

H. H. Smith Plugs and Jacks



INSULATED TIP PLUGS

1 Type 229 Heavy-Duty Phone Tip Plug. Insulated handle of unbreakable plastic. One-piece nickel-plated brass construction for heavier current applications. Has large die, to accept heavy-duty wire. $2\frac{1}{2}$ " long. Wt. 3 oz.
4 B 9100, Red..... Each 15c
ots of 10..... 1.35
4 B 9101, Black..... Each 15c
ots of 10..... 1.35

2 Type 200 "Senior" Solderless Phone Tip Plug. Knurl-1 nut tightens against wire making soldering unnecessary. Plug nickel-plated brass; handle, (antic. $2\frac{1}{2}$ " long. Wt. 3 oz.
4 B 9103, Red..... Each 15c
ots of 10..... 1.35
4 B 9104, Black..... Each 15c
ots of 10..... 1.35

3 Type 201 "Junior" Solderless Phone Tip Plug. Has time tightening assembly as Type 200 above. Plastic handle, nickel-plated brass. $1\frac{3}{4}$ " long. 3 oz.
4 B 9106, Red..... Each 15c
ots of 10..... 1.35
4 B 9107, Black..... Each 15c
ots of 10..... 1.35

4 Subminiature Phone Tip. $\frac{1}{4}$ " O.D. bone fiber handle, nickel-plated brass body. $1\frac{1}{2}$ " overall length. 2 oz.

Stock No.	Type	Color
24 B 9109	270	Red
24 B 9110	270	Black

Each..... 18c Lots of 10..... 1.62

5 Type 237 Hollow Phone Tip Plug. Unbreakable plastic handle. Nickel-plated drawn brass. 4 stud. tip jacks. $1\frac{1}{4}$ " long. 3 oz.
4 B 9111, Red..... Each 11c
ots of 10..... 99c
4 B 9112, Black..... Each 11c
ots of 10..... 99c

6 Short Phone Tip Plug. Shoulderless tip for insertion in inul. handle. Nickel-plated brass body. $1\frac{1}{2}$ " long. 3 oz.

Stock No.	Type	Color
24 B 9113	203	Red
24 B 9114	203	Black

Each..... 12c Lots of 10..... 1.08

ION-INSULATED TIP PLUGS

7 Type 105 "Senior" Solderless Phone Tip Plug. Has knurled nut for fastening wire. $\frac{1}{4}$ " long. Shpg. wt. 2 oz.
4 B 9115, Red..... Each 11c
ots of 10..... 99c

8 Type 106 "Junior" Solderless Phone Tip Plug. As above, but $1\frac{1}{2}$ " long. 2 oz.
4 B 9116, Red..... Each 11c
ots of 10..... 99c

9 Type 123 Heavy-Duty Cord Tip. Fits standard phone tip ricks. $1\frac{1}{2}$ " long. Nickel-plated brass. older type. Shpg. wt. 2 oz.
7 B 3985, Pkg. of 10..... 30c

10 Type 108 Standard Cord Tip. For test pads, head-phones, etc. Length, $1\frac{1}{2}$ " 2 oz.
7 B 3986, Pkg. of 10..... 25c

INSULATED BANANA PLUGS

L Insulated, Spring Tip. Molded plastic handle. Wire can be soldered to brass stud which is supplied, or directly into plug. Length, $1\frac{1}{4}$ ". Choice of red or black. Shpg. wt. 2 oz.

Stock No.	Type	Color
24 B 9122	212	Red
24 B 9123	212	Black

Each 22c..... Lots of 10..... 1.98

M Type 236 Insulated, Spring Tip. Plastic handle. Nickel-plated tip. Fits all standard banana jacks. Four leafed spring provides lasting contact. Length, $1\frac{1}{4}$ ". Identify easily with color codes. Shpg. wt. 2 oz.
24 B 9127, Red..... Each 35c
Lots of 10..... 3.15
24 B 9128, Black..... Each 35c
Lots of 10..... 3.15

N Insulated, Spring Tip. Solderless; has set screw in plastic handle. Nickel-plated tip. Length, $1\frac{1}{4}$ ". Choice of red or black. Shpg. wt. 2 oz.

Stock No.	Type	Color
24 B 9129	204	Red
24 B 9130	204	Black

Each..... 19c Lots of 10..... 1.71

P Insulated, Split Tip. Solderless; has set screw to secure plastic handle to tip. $1\frac{1}{4}$ ". Choice of red or black. Shpg. wt. 2 oz.

Stock No.	Type	Color
24 B 9134	213	Red
24 B 9136	213	Black

Each..... 18c Lots of 10..... 1.62

T Type 211 Insulated Spring Tip. Nickel-plated brass tip. Wire can be soldered to brass stud supplied. Tip screws into plastic handle. $1\frac{1}{2}$ " 2 oz.
24 B 9138, Red..... Each 19c
Lots of 10..... 1.71
24 B 9056, Black..... Each 19c
Lots of 10..... 1.71

RIGHT-ANGLE TYPE MOLDED METER PLUGS

R Banana-Type Meter Plug. Four-leafed phosphor bronze spring. Nickel-plated. Tip is $1\frac{1}{2}$ " long. Color-coded for ready identification. Shpg. wt. 2 oz.

Stock No.	Type	Color
24 B 9118	255	Red
24 B 9119	255	Black

Each..... 31c Lots of 10..... 2.79

S Meter Tip Plug. Molded in two halves for easy assembly with screw and nut. Nickel-plated tip is $\frac{1}{2}$ " long. Color-coded in red or black. Shpg. wt. 2 oz.

Stock No.	Type	Color
24 B 9120	235	Red
24 B 9121	235	Black

Each..... 27c Lots of 10..... 2.43

NON-INSULATED BANANA PLUGS

W Type 103 All-Metal, Spring Tip. Has solder lug. Four-leafed spring. Nickel-plated. 6-32x $\frac{1}{2}$ " stud. $1\frac{1}{2}$ " 2 oz.
24 B 9145..... Each 18c
Lots of 10..... 1.62

X Type 100 All-Metal, Spring Tip. As above, but internal threads permit use on all size panels. $1\frac{1}{2}$ " Wt. 2 oz.
24 B 9146..... Each 18c
Lots of 10..... 1.62

Y Type 102 All-Metal, Spring Tip. Nickel-plated, one-piece construction. 6-32x $\frac{3}{4}$ " stud. Length, $1\frac{1}{4}$ ". Wt. 2 oz.
24 B 9147..... Each 18c
Lots of 10..... 1.62

TIP JACKS

Z Miniature Nylon Tip Jack. Phosphor-bronze with gold plating. Fits in $\frac{1}{4}$ " hole; mounts in panels up to $\frac{1}{4}$ " thick. Overall size, $\frac{1}{2}$ x $\frac{3}{4}$ " dia. 2 oz.

Stock No.	Type	Color
24 B 9150	1505	Red
24 B 9151	1505	Black

Each..... 21c Lots of 10..... 1.89

AA Nylon Tip Jack. Completely insulated; has phosphor bronze contact. $1\frac{1}{2}$ " 2 oz.

Stock No.	Type	Color
24 B 9155	240	Red
24 B 9156	240	Black

Each..... 18c Lots of 10..... 1.62

BB Insulated Tip Jack. Body is nickel-plated brass with phosphor-bronze spring. Molded plastic head. Jack mounts in $\frac{1}{4}$ " hole in panels up to $\frac{1}{4}$ " thick. 1x $\frac{1}{2}$ ". Shpg. wt. 2 oz.

Stock No.	Type	Color
24 B 9160	202	Red
24 B 9161	202	Black

Each..... 14c Lots of 10..... 1.26

CC Type 241 Insulated Tip Jack. Has sturdy molded nylon head and insulating washer. Nickel-plated brass body. Mounts in $\frac{1}{4}$ " hole. Shpg. wt. 2 oz.
24 B 9163, Red..... Each 19c
Lots of 10..... 1.71
24 B 9164, Black..... Each 19c
Lots of 10..... 1.71

DD Type 107 Non-Insulated Tip Jack. $\frac{1}{4}$ " mtg. hole; $\frac{1}{8}$ " max. panel. 2 oz.
24 B 9168..... Each 11c
Lots of 10..... 99c

TYPE 430 RIGHT-ANGLE PC TEST JACK

Provides reliable test-point connections on printed circuit boards. Jack snaps into board holes, then is soldered in place with other components. Molded nylon body. Accepts standard .080" dia. probe tips. Double entry design. Mounts in .052" dia. holes, on .400" centers. For boards up to $\frac{1}{8}$ " thick. Rated 5 amps at 1500 V, 60 Hz AC. Thermal shock, vibration, humidity, insulation resistance, and salt spray tests per MIL-STD-202B. 2 oz.
24 B 9143, Type 430-102, Red..... 20c
24 B 9144, Type 430-102, Black..... 89c
24 B 9144, Type 430-103, Black..... 2 for 20c
Lots of 10..... 89c



BANANA JACKS

EE Insulated Banana Jack. With solder lug and removable top. $\frac{3}{8}$ " mtg. hole; $\frac{3}{8}$ " panel thickness. $\frac{3}{4}$ " long. 2 oz.

Stock No.	Type	Color
24 B 9169	205	Red
24 B 9170	205	Black

Each..... 14c Lots of 10..... 1.26

FF Insulated Banana Jack. Has molded plastic head. Fits $\frac{3}{8}$ " mounting hole; for $\frac{3}{8}$ " max. panel thickness. 2 oz.

Stock No.	Type	Color
24 B 9174	219	Red
24 B 9175	219	Black

Each..... 16c Lots of 10..... 1.44

GG Type 221 Insulated Banana Jack. Molded nylon head and insulating washer. $\frac{3}{8}$ " mtg. hole; $\frac{1}{4}$ " panel thickness. 2 oz.

Stock No.	Type	Color
24 B 9179, Red..... Each 19c		
24 B 9180, Black..... Each 19c		

Lots of 10..... 1.71

HH Type 101 Non-Insulated Banana Jack. Brass tin-plated lug. $\frac{3}{8}$ " mtg. hole; $\frac{1}{2}$ " max. panel thickness. 2 oz.

24 B 9185..... Each 11c

Lots of 10..... 99c

JJ Type 109 Non-Insulated Banana Jack. $\frac{1}{4}$ " mtg. hole; $\frac{3}{8}$ " thickness. 2 oz.

24 B 9186..... Each 11c

Lots of 10..... 99c

COMBINATION JACK

KK Insulated Combination Jack. Accommodates all standard phone tip or banana plugs. Nickel-plated brass body. Mounts in $\frac{1}{4}$ " hole; panels to $\frac{1}{4}$ " thick. Length, $1\frac{1}{2}$ ". Wt. 2 oz.

Stock No.	Type	Color
24 B 9187	206	Red
24 B 9188	206	Black

Each..... 17c Lots of 10..... 1.53

INSULATED SPADE LUG

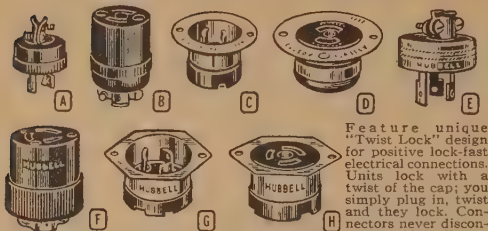
LL Banana Plug To Spade Lug Adapter. Jack in rear allows insertion of banana plug. $1\frac{3}{4}$ " long. $\frac{1}{4}$ " O.D. 2 oz.

Stock No.	Type	Color
24 B 9195	218	Red
24 B 9197	218	Black

Each..... 11c Lots of 10..... 99c

Connectors, Plugs and Sockets

HUBBELL "TWIST-LOCK" CONNECTORS



Feature unique "Twist Lock" design for positive lock-fast electrical connections. Units lock with a twist of the cap; you simply plug in, twist and they lock. Connectors never disconnect accidentally regardless of the treatment to which they are subjected. Ensures a maximum of safety and a minimum of time loss. Conform to National Electrical Code Standard. Av. shpg. wt., 3 oz.

MIDGET 2-WIRE NON-POLARIZED TYPES

Type 7428 male cap and Type 7427 female connector are of brown bakelite with metal cable clamps for $\frac{3}{16}$ to $\frac{1}{4}$ " O.D. cords. Type 7466 male base and Type 7468 female base are of bakelite with brass nickel finish housings. Rated 10 amps at 250 volts or 15 amps at 125 volts.

Stock No.	Mfr's Type	Fig.	Description	EACH	
				1-9	10-49
47 B 1282	7428 A	A	Male Cap	.52	.42
47 B 1283	7427 B	B	Female Connector	.95	.77
47 B 1284	7466 C	C	Male Base	1.13	.91
47 B 1287	7468 D	D	Female Base	1.37	1.10

MIDGET 3-WIRE POLARIZED TYPES

As above but for 3-conductor cables. Insulation is black bakelite. Clamps accept cords from .281 to .421" O.D. Polarization prevents wrong connection. Rated 10 amps at 250 V, or 15 amps at 115 V.

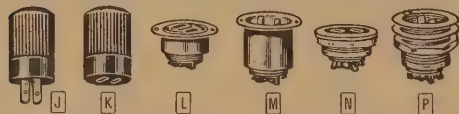
Stock No.	Mfr's Type	Fig.	Description	EACH	
				1-9	10-49
47 B 1288	7485 A	A	Male Cap	1.24	.99
47 B 1289	7484 B	B	Female Connector	1.78	1.43
47 B 1290	7486 C	C	Male Base	.57	.28
47 B 1291	7487 D	D	Female Base	.92	.54

STANDARD-SIZE 3-WIRE POLARIZED TYPES

Type 7572, 7556 and 7557 have rust-resistant metal housings. Type 7555 is bakelite. Clamps take cords from $\frac{3}{16}$ " to $\frac{1}{2}$ " O.D. All rated 10 amps at 250 V; 15 amps at 125 V. *Armored.

Stock No.	Mfr's Type	Fig.	Description	EACH	
				1-9	10-49
47 B 1292	7572 E	E	Male Cap*	1.47	1.19
47 B 1293	7555 F	F	Female Conn.	2.22	1.88
47 B 1294	7556 G	G	Male Base	1.92	1.54
47 B 1295	7557 H	H	Female Base	2.13	1.71

ARROW H&H MIDGET CONNECTORS



Midget 2-prong cord connectors and receptacles. Especially suited for applications where space is at a premium. Types illustrated in Figures J and K have housings of durable molded bakelite. Others have rust-resistant metal housings and insulation of bakelite. All units are rated at 10 amperes at 250 volts. A 1" diameter hole is required for all receptacles. Contact spacing is $\frac{1}{16}$ ". Receptacle terminals are exposed. All units take threaded covers. Types 80326 and 80328 are furnished with plate for screws. Types 80327 and 80329 are furnished with plate and lock ring. Av. shpg. wt., 3 oz.

Stock No.	Mfr's Type	Fig.	Description	EACH	
				1-9	10-49
47 B 2191	80324 J	J	Male cable connector	.78	
47 B 2192	80325 K	K	Female cable connector	.80	
47 B 2193	80326 L	L	Female flush receptacle	.78	
47 B 2194	80328 M	M	Male flush receptacle	.95	
47 B 2195	80327 N	N	Female flush receptacle	1.22	
47 B 2196	80329 P	P	Male flush receptacle	1.27	

AMPHENOL CABLE CONNECTORS



Matching male and female cable connectors. Take cables up to $\frac{1}{4}$ " O.D. Series 78-PF are female connectors; series 86-PM are male. "S" in type number indicates small pins. Size $1\frac{1}{2} \times \frac{1}{2}$ ". Av. wt., 3 oz.

Stock No.	Mfr's Type	Con-tacts	EACH	Stock No.	Mfr's Type	Con-tacts	EACH
47 B 0524	78-PF5	4	.41	47 B 0505	86-PM5	5	.45
47 B 0525	78-PF5	5	.43	47 B 0506	86-PM6	6	.47
47 B 0526	78-PF6	6	.45	47 B 0507	86-PM7S	7S	.57
47 B 0527	78-PF6	7S	.47	47 B 0508	86-PM8	8	.47
47 B 0528	78-PF8	8	.43	47 B 0512	86-PM9	9	.48
47 B 0516	78-PF9	9	.43	47 B 0513	86-PM11	11	.49
47 B 0517	78-PF11	11	.50	47 B 2655	86-PM12	12	.50
47 B 0504	86-PM4	4	.45				

Amphenol Cable Clamp. Type 79-CC4. For use with above connectors. Relieves strain on soldered connections. Shpg. wt., 5 oz. 47 B 0670

AMPHENOL PLUGS AND SOCKETS



SERIES 61 AND 160 STANDARD AND GROUNDING-TYPE AC PLUGS AND SOCKETS

Series 61 comprises standard two-pole AC plugs and sockets. Series 160 consists of heavy-duty grounding types that are especially recommended for grounding appliances and power tools. Rated 15 amps at 120 volts AC-DC, and 10 amps at 220 volts. Plugs and sockets are black phenolic. *Recognized Types 1-10 and 160-11 which must be grounded after mounting. Av. shpg. wt., 3 oz.

R Retainer Ring Mounting Types. For mounting in $\frac{1}{16}$ " keyed hole in chassis up to $\frac{1}{8}$ " thick. 61-M is standard type; 61-F is universal type. *Includes prong and third terminal for ground wire. All units listed are 2-pole types.

Stock No.	Type	Descr.	EA.	Stock No.	Type	Descr.	EA.
47 B 0675	61-M	Male	.37	47 B 2522	*160-10	Female	.85
47 B 0677	61-F	Female	.37	47 B 2523	*160-11	Male	1.01

T Mounting Plate Types. All require $\frac{1}{16}$ " mtg. holes and have $\frac{3}{16}$ " slotted holes on $\frac{1}{4}$ " to $\frac{1}{2}$ " centers except Type 61-MIP-61F which requires $\frac{1}{16}$ " mtg. hole and has $\frac{3}{16}$ " holes on $\frac{1}{2}$ " centers. Types 61-M and 61-F1 have removable mtg. plates. *With terminal for ground wire. All 2-pole.

Stock No.	Type	Descrip.	EA.	Stock No.	Type	Descrip.	EA.
47 B 0680	61-M1	Male	.46	47 B 2525	*160-3	Male	1.10
47 B 0682	61-F1	Female	.44	47 B 0085	61-MIP-		
47 B 2524	*160-2	Female	.93		61F	Female	.40

Type 61-61 Recessed Shell Only. (Not illus.) Converts Type 61, 8, and 160 connectors to recessed types. Fits $\frac{1}{16}$ " hole; two $\frac{3}{16}$ " screw holes on $\frac{1}{2}$ " centers. Lowers connector $\frac{1}{16}$ ". Av. wt., 2 oz.

47 B 0086

X Recessed Mounting Types. For below-surface mounting. Mount in $\frac{1}{16}$ " hole; have two $\frac{3}{16}$ " screw holes on $\frac{1}{2}$ " ctrs. All are 2-pole types. *With grounding plug.

Stock No.	Type	Descr.	EA.	Stock No.	Type	Descr.	EA.
47 B 0685	61-M10	Male	.57	47 B 2526	*160-4	Female	1.08
47 B 0687	61-F10	Female	.56	47 B 2527	*160-5	Male	1.25

S W Drawn Steel Plug Caps. For use with plugs, sockets and connectors. Indicated Type 313 (Fig. S), rib rubber grommet to fit up to $\frac{1}{4}$ " cable Type 3-24 (Fig. W), has adjustable clamp for cables up to $\frac{3}{8}$ " diameter. Have black japan finish. Shpg. wt., 2 oz.

Stock No.	Type	Fig.	Use with Plugs and Sockets Types	EACH
47 B 2537	3-13	S	61, 86-CP, and S (Series 78).	.14
47 B 2538	3-24	W	61, 86-CP, and S (Series 78).	.23

CINCH-JONES SERIES 202 PLUGS AND SOCKETS



Cadmium-plated brass plugs and sockets. Type P-202-CCT is polarized. Knurled nut. Type S-202-1 has tapered holes. No. 30 drill or 1" centers. All units have $\frac{3}{4}$ "-2 thread. Type P-202-CCT and S-202-CCT-THR have cable clamp. Av. shpg. wt., 3 oz.

Stock No.	Type	Fig.	Description	EACH
47 B 0980	P-202-CCT	Y	Plug, 2 contact	.89
47 B 0982	S-202-B	Z	Socket, base mounting	1.09
47 B 0981	S-202-CCT-THR	AA	Socket, extension	1.23

CINCH-JONES PLUGS AND SOCKETS



Type 2R2 Chassis-Mounting AC Socket. Molded black bakelite AC socket excellent for radio, TV chassis, phono, and similar applications. Rated at 15 amps at 110 volts or 10 amps at 250 volts. Accepts any 2-prong standard plug. Sold separately. Mounting holes $\frac{3}{16}$ " center. Has $\frac{3}{16}$ " diameter mounting holes on $\frac{1}{2}$ " centers. Size $1\frac{1}{2} \times \frac{1}{2}$ ". *U.L. Recogn. Shpg. wt., 2 oz.

47 B 0830

Type 8PB 8-Contact Plug. For making up to 8 connections between chassis. Molded from high-dielectric black bakelite. Nickel-plated pins have tapered ends for easy insertion. Fits any standard oval socket. Use with 16F shield below. Shpg. wt., 2 oz.

47 B 0846

Type 11PB 11-Contact Plug. Same as above but with 11 contacts. Fits 11RB socket, below. Use with 16F snap-on shield below. Shpg. wt., 2 oz.

47 B 0847

Type 16F Steel Snap-On Shield. (Not illus.) Cadmium-plated steel plug cap. Snaps on 8PB and 11PB sockets, above. Has screwdriver slot at bottom to facilitate removal. Rubber grommet with $\frac{3}{16}$ " diameter hole protects cable. Shpg. wt., 2 oz.

47 B 0848

Type 11RB 11-Contact Socket. Use with 11PB socket, above. Molded black bakelite. Mounts on $\frac{1}{16}$ " thick chassis using retaining ring. Use with 16F shield (above) on extension cables. Wt., 2 oz.

47 B 0849

Plugs, Sockets, Barrier Strips, Terminal Strips

H. H. SMITH LUG-TYPE TERMINAL STRIPS



Dark brown bakelite strips, $\frac{1}{16}$ " thick x $\frac{3}{8}$ " wide. Solder-coated steel lugs have $\frac{3}{16}$ " centers. $\frac{3}{16}$ " dia. mtg. holes. 2 oz. 10 per pkg.

Stock No.	Type	PER PKG.	Stock No.	Type	PER PKG.	Stock No.	Type	PER PKG.	Stock No.	Type	PER PKG.
7 B 4320	861	.22	47 B 4327	864	.30	47 B 4334	850	.40	47 B 4341	871	.55
7 B 4321	862	.24	47 B 4328	829	.28	47 B 4335	869	.51	47 B 4342	879	.65
7 B 4322	813	.25	47 B 4329	830	.30	47 B 4336	854	.55	47 B 4343	848	.67
7 B 4323	820	.23	47 B 4330	851	.45	47 B 4337	855	.55	47 B 4344	890	.65
7 B 4324	849	.30	47 B 4331	847	.55	47 B 4338	866	.40	47 B 4345	858	.70
7 B 4325	815	.32	47 B 4332	865	.45	47 B 4339	860	.60	47 B 4346	870	.72
7 B 4326	863	.30	47 B 4333	857	.40	47 B 4340	859	.60			

H. H. SMITH SCREW-TYPE TERMINAL STRIPS

Screw-type terminal strips for chassis and readboarding applications. Have solder-ated brass terminal lugs on $\frac{1}{4}$ " centers; $\frac{3}{16}$ " dia. mounting holes. $\frac{1}{16}$ " thick bakelite strips; except $\frac{1}{2}$ ". Av. wt., 2 oz.



Stock No.	Mfr's Type	Term.	Pkg. of 5	Stock No.	Mfr's Type	Term.	Pkg. of 5
7 B 4079	872	2	.35	47 B 4084	877	7	1.13
7 B 4080	873	3	.40	47 B 4085	928	8	1.20
7 B 4081	874	4	.43	47 B 4086	929	9	1.40
7 B 4082	875	5	.83	47 B 4087	930*	10	1.60
7 B 4083	876	6	.93				

H. H. SMITH SERIES 3000 TERMINAL STRIPS

Selection of compact terminal strips, of .019 brass, tin-plated, and spaced on $\frac{1}{16}$ " centers. Molded bakelite insulation. Mounting brackets are made of cadmium-plated steel. Mounting holes at each end of bracket. Av. shpg. wt., 2 oz.

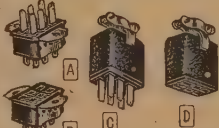


Stock No.	Type	Term.	Mtg. of 5	Stock No.	Type	Term.	Mtg. of 5
47 B 1462	3002	2	1"	47 B 1466	3006	6	2 1/2"
47 B 1463	3003	3	1 1/4"	47 B 1468	3008	8	2 1/2"
47 B 1464	3004	4	1 1/2"	47 B 1470	3010	10	3 1/2"
47 B 1465	3005	5	1 3/4"	47 B 1475	3012	12	4 1/2"

CINCH-JONES PLUGS, SOCKETS, TERMINAL STRIPS, TERMINALS

ERIES 300 PLUGS AND SOCKETS

compact units rated 730 volts rms 10 A. Metal caps; bakelite body. Solder-bronze socket contacts enclose both sides of plug contacts. Units are polarized; plugs with 24 or more contacts have positioning pin. Plug contacts are $\frac{1}{16}$ " wide by $\frac{1}{8}$ " thick. Round shell, others rectangular. Av. shpg. wt., 3 oz.



TYPE AB FOR CHASSIS MOUNTING

A PLUGS				B SOCKETS			
Contacts	Stock No.	Type	EACH	Stock No.	Type	Term.	EACH
2*	47 B 0870	P-302-AB*	.29	47 B 0880	S-302-AB*	3	.31
3	47 B 0871	P-303-AB	.32	47 B 0881	S-303-AB	4	.35
4	47 B 0872	P-304-AB	.37	47 B 0882	S-304-AB	5	.39
6	47 B 0873	P-306-AB	.46	47 B 0883	S-306-AB	6	.49
8	47 B 0874	P-308-AB	.53	47 B 0884	S-308-AB	8	.59
10	47 B 0875	P-310-AB	.59	47 B 0885	S-310-AB	10	.69
12	47 B 0876	P-312-AB	.66	47 B 0886	S-312-AB	12	.82
14	47 B 0877	P-314-AB	.73	47 B 0887	S-314-AB	14	.92
15	47 B 0816	P-315-AB	.89	47 B 0864	S-315-AB	15	1.04
18	47 B 0817	P-318-AB	1.07	47 B 0865	S-318-AB	18	1.19
21	47 B 0818	P-321-AB	1.34	47 B 0866	S-321-AB	21	1.47

TYPE CCT WITH CABLE CLAMP

C PLUGS				D SOCKETS			
Contacts	Stock No.	Type	EACH	Stock No.	Type	Term.	EACH
2*	47 B 0802	P-302-CCT*	.60	47 B 0852	S-302-CCT*	3	.62
3	47 B 0803	P-303-CCT	.66	47 B 0853	S-303-CCT	4	.68
4	47 B 0804	P-304-CCT	.70	47 B 0854	S-304-CCT	5	.72
6	47 B 0806	P-306-CCT	.80	47 B 0856	S-306-CCT	6	.83
8	47 B 0808	P-308-CCT	.86	47 B 0858	S-308-CCT	8	.93
10	47 B 0810	P-310-CCT	.95	47 B 0860	S-310-CCT	10	1.05
12	47 B 0812	P-312-CCT	1.03	47 B 0862	S-312-CCT	12	1.19
15	47 B 0815	P-315-CCT	1.27	47 B 0865	S-315-CCT	15	1.52
18	47 B 0817	P-318-CCT	1.60	47 B 0851	S-318-CCT	17	1.73
21	47 B 0819	P-321-CCT	1.91	47 B 0855	S-321-CCT	20	2.05
24	47 B 0811	P-324-CCT	2.24	47 B 0857	S-324-CCT	23	2.37
27	47 B 0813	P-327-CCT	2.57	47 B 0859	S-327-CCT	26	2.69
30	47 B 0814	P-330-CCT	2.89	47 B 0861	S-330-CCT	30	3.04
33	47 B 0815	P-333-CCT	3.20	47 B 0863	S-333-CCT	33	3.35

TYPE CCT-L PLUGS

WITH CABLE CLAMPS AND LATCHES

All type CCT-L plugs listed in table below have rectangular shells except *2-contact type which is supplied with round shell. Av. shpg. wt., 3 oz.

Contacts	Stock No.	Type	EACH	Contacts	Stock No.	Type	EACH
2	47 B 1513	P-302*	.75	6	47 B 1516	P-306	.95
3	47 B 1514	P-303	.81	8	47 B 1517	P-308	1.01
4	47 B 1515	P-304	.85				



SERIES 140 BARRIER TERMINAL STRIPS

Make a long leakage path and prevent direct shorts caused by frayed wires at the terminals. Base is molded bakelite, with mounting holes at ends. Eyelets and binder screws of nickel-plated brass; terminals of hot tin-finish brass. When used with fanning strips, insure positive contact and firm connections. No. 140 terminal strips have 5-40x $\frac{1}{16}$ " binder head screws, $\frac{1}{4}$ " metal-to-metal spacing. No. 141 types have 6-32x $\frac{1}{4}$ " binder head screws, $\frac{1}{2}$ " metal-to-metal spacing. No. 142 types have 8-32x $\frac{1}{2}$ " binder head screws, $\frac{1}{2}$ " metal-to-metal spacing. Av. shpg. wt., 3 oz.



Series 140. Metal-to-metal spacing over bakelite $\frac{1}{16}$ ". Base $\frac{1}{8}$ " wide x $\frac{1}{2}$ " high. $\frac{1}{16}$ " centers.

Stock No.	Type	Term.	EACH	Stock No.	Type	Term.	EACH
47 B 1800	2-140	2	.23	47 B 1804	8-140	8	.61
47 B 1801	3-140	3	.27	47 B 1805	10-140	10	.75
47 B 1803	4-140	4	.33	47 B 1806	12-140	12	.89
47 B 1807	5-140	5	.41				
47 B 1802	6-140	6	.47				
47 B 1801	7-140	7	.53				

Series 141. Metal-to-metal spacing over bakelite $\frac{1}{8}$ ". Base $1\frac{1}{8}$ " wide x $\frac{1}{2}$ " high. $\frac{1}{16}$ " centers.

Stock No.	Type	Term.	EACH	Stock No.	Type	Term.	EACH
47 B 1835	2-141	2	.26	47 B 1838	6-141	6	.59
47 B 1836	3-141	3	.34	47 B 1839	8-141	8	.78
47 B 1837	4-141	4	.43	47 B 1840	10-141	10	.96
47 B 1842	5-141	5	.52	47 B 1841	12-141	12	1.13

Series 142. Metal-to-metal spacing over bakelite $\frac{1}{8}$ ". Base $1\frac{1}{8}$ " wide x $\frac{1}{2}$ " high. $\frac{1}{16}$ " centers.

Stock No.	Type	Term.	EACH	Stock No.	Type	Term.	EACH
47 B 1670	2-142	2	.30	47 B 1674	6-142	6	.73
47 B 1671	3-142	3	.41	47 B 1676	8-142	8	.95
47 B 1672	4-142	4	.51	47 B 1678	10-142	10	1.17
47 B 1673	5-142	5	.62	47 B 1680	12-142	12	1.39

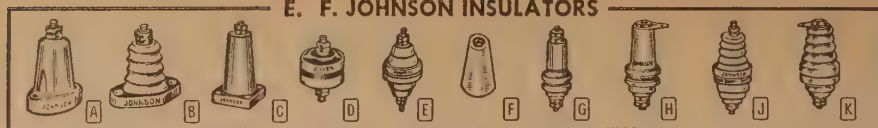
ADAPTER SOLDER TERMINALS

Adapt barrier strips (listed above) for top-side or underside solder connections. Type $\frac{3}{4}$ W permits top-side soldering to barrier terminals; Type Y is for underside solder connections. Constructed of sturdy brass; with durable hot-tin finish. Fasten securely under binder head screws. Av. shpg. wt., 3 oz. In packages of 50.



TYPE $\frac{3}{4}$ W				TYPE Y			
Stock No.	Mfr's Type	For Series	Per Pkg.	Stock No.	Mfr's Type	For Series	Per Pkg.
47 B 1400	$\frac{3}{4}$ W-140	140	2.50	47 B 1407	Y-140	140	2.50
47 B 1401	$\frac{3}{4}$ W-141	141	3.00	47 B 1408	Y-141	141	3.00
47 B 1402	$\frac{3}{4}$ W-142	142	3.00	47 B 1409	Y-142	142	3.00

E. F. JOHNSON INSULATORS



A Wide Selection of Quality Insulators for Every Need

Stand-Off Insulators. High-glass porcelain (except *steatite). Long leakage path, low capacity and freedom from moisture absorption. Nickel-plated brass hardware includes screw, flat washer, two nuts. Type 135-65 is ribbed; others have drawn bases. *Similar to Figure B, but square base and 4 mounting holes. Av. shpg. wt., 1 lb.

Stock No.	Mfr's Type	Fig.	Body Ht.	Min. Dia.	Max. Dia.	Mtg. Ctrs.	Hard-ware	EACH
47 B 6235	135-20*	A	1 3/8"	3/4"	1 3/4"	1 3/8"	10-32	.36
47 B 6237	135-20*	B	1 1/2"	1"	1 3/4"	1 3/8"	8-32	.42
47 B 6239	135-24*	A	3/4"	3/8"	1 1/8"	1 1/8"	6-32	.18
47 B 6240	135-60	A	5/8"	1 3/8"	2 1/2"	1 1/4"	3/4-20	1.20
47 B 6241	135-62	T	2 3/4"	7/8"	1 7/8"	1 3/4"	1/4-20	.68
47 B 6242	135-65	B	1 3/8"	1 1/8"	1 7/8"	1 1/2"	10-32	.35
47 B 6248	135-66	C	2 3/8"	1 5/8"	1 7/8"	1 1/2"	3/4-20	.87
47 B 6251	135-67	C	4 1/2"	2 1/4"	2 3/4"	1 3/4"	3/4-20	1.20

Thru-Panel Type. Porcelain except *steatite. #108-740 jack. 12 oz.

Stock No.	Mfr's Type	Fig.	Body Ht.	Min. Dia.	Max. Dia.	Panel Hole	Hard-ware	EACH
47 B 6200	135-40*	A	1 1/2"	1 1/8"	1 3/4"	7/8"	10-32	.48
47 B 6202	135-42*	C	1 1/4"	1 1/8"	1 3/4"	7/8"	10-32	.44
47 B 6203	135-42-2	G	1 1/4"	1 1/8"	1 3/4"	7/8"	10-32	.55
47 B 6205	135-44*	G	1 1/4"	1 1/8"	1 3/4"	7/8"	10-32	.63
47 B 6206	135-45	J	2 1/8"	1 1/8"	1 3/4"	7/8"	10-32	.32
47 B 6210	135-46	C	1 3/8"	1 1/8"	1 3/4"	7/8"	1/4-20	1.60
47 B 6211	135-47	G	1 3/8"	1 1/8"	1 3/4"	7/8"	1/4-20	2.75
47 B 6215	135-48	J	2 1/8"	1 1/8"	1 3/4"	7/8"	10-32	1.00
47 B 6216	135-48-2	K	2 1/8"	1 1/8"	1 3/4"	7/8"	10-32	1.12

JOHNSON ANTENNA INSULATORS

Strain-type insulators. All are porcelain-glazed to prevent moisture absorption, and prevent RF leakage. Superior quality units with heavily glazed surfaces and heavy, nickel-plated brass hardware suitable for exposed applications. Type 136-104 insulator is wet process 1"-diameter round design with 800 lbs. breaking strength. Type 136-104 is dry process, 3/4" square with 400 lbs. breaking strength.

Stock No.	Mfr's Type	Size	Shpg. Wt.	EACH
47 B 6254	136-104	4"x5/8" dia.	4 oz.	.30
47 B 6255	136-107	7"x1" sq.	10 oz. 1 lb.	1.35

CONSOLIDATED ANTENNA INSULATORS

Dependable glazed porcelain insulator. Efficient ribbed construction provides long leakage path. 2 1/2" long. Shpg. Wt., 2 oz. 4 per pkg. 47B6051, Pkg./33

White porcelain strain insulator. 1 1/2"x7/4" dia. Breaks up guy lines into non-resonant lengths. 2 oz. 4 per pkg. 47 B 6052, Per Pkg. 40

FAHNESTOCK SPRING CLIPS

Positive reliable contact. Easy to connect and disconnect. Made of brass, except #bronzes. Av. shpg. wt., 3 oz. per pkg.

Stock No.	Mfr's Type	Fig.	LxW Inches	Max. Wire Hole	Pkg.
47 B 1700	2	N	1x1/4"	10	8 .25
47 B 1702	3	N	1 1/8x3/8"	10	8 .32
47 B 1705	10	N	1 1/8x3/8"	14	8 .36
47 B 1707	15*	P	1 1/2x3/2"	16	4 .20



MILLEN MOLDED COIL FORMS

Type 45004. Molded-inie, phenolic base type coil forms. Four-prong type. For shortwave receivers and low-power transmitters. Size: 1" diameter; 1 1/2" winding length; 2 3/8" overall. Shpg. wt., 2 oz. 47 B 3217... 51

Type 45005. Same as 45004, but has 5 prongs. Shpg. wt., 2 oz. 47 B 3218... 51

Type 45000. Same as Type 45005 above, but without prongs. Designed for screw mounting. Shpg. wt., 2 oz. 47 B 3219... 39

MAYFAIR POLYSTYRENE COIL FORMS

A selection of coil forms for winding RF coils of all types. Low-loss polystyrene construction. 4, 5, and 6-prong standard forms fit standard tube sockets; 5-prong miniature type fits Amphenol Type 78-SSS miniature socket (see under "Retainer Ring Sockets" in socket section). Av. wt., 2 oz.

Stock No.	Mfr's Type	Description	Size LxX Dia.	E.A.
47 B 6693	24-5H	4-Prong Std.	1 1/8x1 1/2"	.28
47 B 6695	24-4P	4-Prong Min.	2/4x1 1/4"	.37
47 B 6696	24-5P	5-Prong Std.	2/4x1 1/4"	.27
47 B 6697	24-6P	6-Prong Std.	2/4x1 1/4"	.40

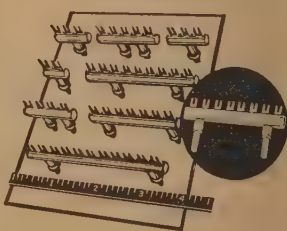
H. H. SMITH HEAVY-DUTY STRIPS

Made of 3/8" thick black bakelite, 1/4" wide. Have 8-32x3/8" nickel-plated screw terminals and cadmium-plated brass solder lugs. Drilled for 2-hole mtg. Av. wt., 4 oz.

Stock No.	Type	Term.	EACH
47 B 1875	902	2	.20
47 B 1880	903	3	.22
47 B 1885	904	4	.27
47 B 1895	906	6	.38
47 B 1898	908	8	.50

SCIENTIFIC RESEARCH CO.

MOUNTING STRIPS



- Constructed of Lightweight, Non-Breakable Polypropylene
- Have Prefinited Terminal Points

Low loss polypropylene component mounting strips. Increase production line efficiency and contribute to compact circuitry. Dielectric constants are 400% better than phenolic, 200% better than ceramic. Loss factors are 200 times better than phenolic, 30 times better than ceramic, even as frequencies increase. Easily fasten to chassis by means of speed nut, lock washer or 6-32 nut. Improved serviceability of electronic instruments using EGL mounting strips is made possible since all test points are accessible and components can be easily replaced. The strips are lightweight and non-breakable. Lengths from 1/2" to 3 1/4". Av. wt., 5 oz. Last digit in Type Number indicates number of terminals. 6 per pkg.

Stock No.	Mfr's Type	Lgth.	PER PKG.
47 B 3106	MS-1-PP-2	1 1/2"	.63
47 B 3107	MS-1-PP-3	5/8"	.63
47 B 3108	MS-1-PP-4	1 1/8"	.83
47 B 3109	MS-1-PP-5	1 1/2"	.83
47 B 3110	MS-1-PP-7	2 1/8"	.98
47 B 3111	MS-1-PP-9	2 1/4"	.98
47 B 3112	MS-1-PP-11	3 1/4"	.98

TERMINAL LUGS, SNAPS AND STUDS

R Terminal Lugs. Screw-mount to chassis. 2 solder lugs. 4 oz. 10 per pkg. 47 B 1767... Per Pkg. 51

S Nu-Way Snaps. For temporary or permanent connections. 3/8"x5/8" dia. 12 oz. 100 per pkg. 24 B 9030... Per Pkg. 98

T Nu-Way Studs. For panel or chassis mtg. Fit snaps. 6-32x1/2". 12 oz. 10 per pkg. 24 B 9031... Per Pkg. 79

W Nu-Way Flush-Mount Lugs. Fit snaps. Have 6-32 mtg. hole. 12 oz. 10 per pkg. 24 B 9033... Per Pkg. 79

Solderless Terminals, Crimping Tools and Spacers

VACO INSULATED AND NON-INSULATED SOLDERLESS TERMINALS

Vaco Single-Grip Solderless Terminals. Form perfect electrical connections. Ideal for general-purpose work or radio, TV and appliance servicing. Of chrome-plated copper alloy. Series 10000 are one-piece non-insulated types. Series 50000 are insulated; heavy plastic

sleeve provides insulation from tongue to wire covering. *Butt connector; †snap terminal; ‡female tab socket; ††¼" male tab; †‡¼" angle male tab; ‡ angle female tab socket. Use crimping tool, below. Wts., pkg. of 100, 8 oz.; economy pack, 3 oz.

STANDARD PACKAGES OF 100

ALL NON-INSULATED TERMINALS

Wire Size	Stud Size	Lath.	Fig.	Stock No.	Mfr's Type	PER PKG. of 100
22-18	4	1 1/2"	A	47 B 4200	11204	2.46
22-18	5-6	1 1/2"	A	47 B 2800	11205	2.46
22-18	5-6	3/4"	A	47 B 2801	11206	2.46
22-18	8	3/4"	A	47 B 4201	11208	2.46
22-22	10	3/4"	A	47 B 2802	11210	2.46
16-14	5-6	1 1/2"	A	47 B 2803	11305	2.46
16-14	5-6	2 1/2"	A	47 B 2804	11306	2.46
16-14	8	2 1/2"	A	47 B 4204	11308	2.46
16-14	10	2 1/2"	A	47 B 2805	11310	2.46
12-10	10	3/4"	A	47 B 2807	11410	3.07
12-10	12-1/4	2 1/2"	A	47 B 2808	11414	4.08
22-18	4	1 1/2"	B	47 B 4205	13206	2.20
22-18	4-6	1 1/2"	B	47 B 2812	13206	2.20
22-18	8	3/4"	B	47 B 4206	13208	2.46
22-18	10	1 1/2"	B	47 B 4207	13210	2.46
16-14	4-6	4 1/2"	B	47 B 2810	13306	2.46
16-14	8	2 1/2"	B	47 B 4208	13308	2.46
16-14	10	4 1/2"	B	47 B 2811	13310	2.46
22-18	4-6	3/4"	B	47 B 2809	14206	2.20
22-18	8	5/8"	C	47 B 2819	15208	2.46
22-18	9/16"	9/16"	E*	47 B 2816	17202	2.46
16-14	9/16"	9/16"	E*	47 B 2817	17302	2.46
12-10	1 1/2"	9/16"	E*	47 B 2818	17402	3.07
16-14	3/4"	9/16"	F†	47 B 2813	19301	1.91
22-18	1 1/2"	D‡	47 B 4213	18204	2.46	
16-14	2 1/2"	G††	47 B 2820	18301	2.46	
16-14	2 1/2"	H‡	47 B 2821	18302	2.46	
16-14	3/4"	J‡	47 B 2822	18303	2.46	
16-14	1 1/2"	K‡	47 B 2823	18304	2.46	

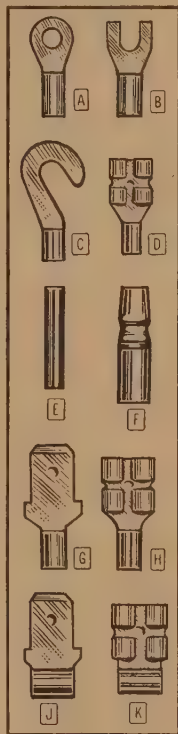
\$1.00 ECONOMY PACKAGES

NON-INSULATED

Stock No.	Type	Pkg. Qty.	PER PKG.
47 B 4476	11205	36	1.00
44 B 4481	11206	36	1.00
47 B 4482	11210	36	1.00
47 B 4477	11305	36	1.00
47 B 4486	11310	36	1.00
47 B 4489	11410	28	1.00
47 B 4490	11414	21	1.00
47 B 4265	13206	40	1.00
47 B 4266	13208	36	1.00
47 B 4492	13306	36	1.00
47 B 4493	13310	36	1.00
47 B 4498	14206	40	1.00
47 B 4499	15208	36	1.00
47 B 4287	17202	36	1.00
47 B 4288	17302	36	1.00
47 B 4290	19301	46	1.00
47 B 4294	18204	36	1.00
47 B 4295	18301	36	1.00
47 B 4297	18302	36	1.00
47 B 4301	18303	36	1.00
47 B 4302	18304	36	1.00

INSULATED

Stock No.	Type	Pkg. Qty.	PER PKG.
47 B 4269	51205	18	1.00
47 B 4270	51206	18	1.00
47 B 4272	51210	18	1.00
47 B 4274	51305	18	1.00
47 B 4275	51306	18	1.00
47 B 4277	51310	18	1.00
47 B 4279	53206	18	1.00
47 B 4280	53208	18	1.00
47 B 4282	53306	18	1.00
47 B 4304	53310	18	1.00
47 B 4305	54206	18	1.00
47 B 4306	55208	18	1.00
47 B 4310	57202	18	1.00
47 B 4311	57302	18	1.00
47 B 4312	57402	15	1.00
47 B 4313	58301	18	1.00
47 B 4314	58302	15	1.00



SERVICE KIT

Model 2195. Contains approx. 182 non-insulated terminals and crimping tool (at right). Tool cuts, strips wire and crimps terminals.

Includes assortment of these single-grip terminals: 11205, 11206, 11210, 11305, 11306, 11310, 14206, 13306, 13310, 15208. In clear plastic box, 8¾x6x1¼", with individual compartments. Shpg. wt., 2 lbs.

47 B 4427 8.95



CRIMPING TOOL

Model 1900. A quality tool designed for fast, effective crimping of non-insulated solderless terminals, above. Tool is furnished with three different crimping dies. Also quickly strips insulation from No. 22 to No. 10 size wires. Has durable steel jaws for heavy-duty use. Insulated plastic handles assure a comfortable grip at all times. Shpg. wt., 1 lb.

47 B 4233 3.95

A-MP CRIMPING TOOLS



L Type 47100-1 "Super Champ" Crimping Tool. Crimps insulated solderless terminals, shears machine screws, measures stud sizes, cuts and strips wire from Std. AWG 22 thru 10. Shears bolts in 10-24, 10-32, 8-32, 6-32 and 4-40 sizes. Constructed of rugged tool steel, with comfortable insulated plastic handles. Length, 7½". Shpg. wt., 1 lb.

47 B 5321 4.95

M Type 49835-1. For crimping non-insulated terminals. Otherwise has same versatile features as above—shears machine screws, measures stud sizes, cuts and strips wire. Wt., 1 lb.

47 B 4453 4.95

A-MP TERMINAL KIT

Type 29033. Assortment of most popular insulated solderless terminals for general wiring applications, plus the heavy-duty type 47100-1 Super-Champ crimping tool (above). Terminals and tool are in handy transparent box with compartments. Ideal for radio-TV and electrical servicemen—eliminates soldering. For all wire sizes from No. 10 to No. 22, and most-often used stud sizes. Storage case, 9¾x6½x2". Shpg. wt., 2 lbs.

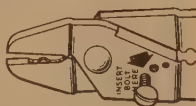
47 B 5322 24.00



VACO CRIMPING TOOL

All-purpose tool has crimping dies for insulated and non-insulated terminals. Cuts and strips wire. Wire cutter at tip for close work. Strips No. 10, 12, 14, 16, 18, 20-22 wire. Shears six sizes of bolts: 10-32, 6-32, 5-40, 10-24, 8-32 and 4-40. Improved-action bolt slicing principle requires less hand pressure. Plastic handles. Wt., 2 lbs.

47 B 4237 4.95



H. H. SMITH BRASS SPACERS

Round spacers designed for use in raising sub panels, chassis, condensers, transformers, etc. Constructed of durable cadmium-plated brass. Precision machined, lengths and outer diameters accurately controlled to ±½" tolerance. Tapped bushings for threads indicated in table below. Packed 10 spacers per package. Av. shpg. wt., 6 oz.



ROUND

ROUND—NON-THREADED ¼" O.D.

Stock No.	Mfr's Type	Screw Size	Length	PKG. OF 10
47 B 4724	2100	6	1¼"	.33
47 B 4725	2101	6	3/8"	.44
47 B 4728	2103	6	¾"	.63
47 B 4729	2104	6	1"	.72

ROUND—THREADED ¼" O.D.

Stock No.	Mfr's Type	Tap	Length	PKG. OF 10
47 B 4761	2120	6-32	1¼"	.39
47 B 4765	2121	6-32	3/8"	.50
47 B 4767	2123	6-32	¾"	.84
47 B 4774	2129	8-32	1"	1.04

Assorted Test Clips, Clip Insulators, Tube Caps



MUELLER CLIPS AND FLEXIBLE INSULATORS

MESH-TEETH TEST CLIPS

A For general-purpose use. Interlocking necks prevent jaw offset. Type 45C, solid copper; 45, cadmium-plated steel. Per 100, 1 lb.

Stock No.	Mfr's Type	Amps	Size	Per Pkg. of 10
47 B 5001	45	5	1 1/2"	1.00
47 B 5006	45C	10	1 1/2"	.60

LEAD-PLATED BATTERY CLIPS

A For moderately heavy current work, battery charging, electroplating, and light welding. Stands erect. Lbs., per 100 76% \$15, 73% Marking.

Stock No.	Mfr's Type	Amps	Size	EACH
47 B 5021	24A	25	+ 27%	.24 .16
47 B 5022	24A	25	None	.24 .16
47 B 5023	21A	50	+ 4	.43 .30
47 B 5024	21A	50	None	.43 .30
47 B 5027	11A	100	None	1.2 .78

SOLID-COPPER CLIPS

A Heavy-duty, high-conductivity clips. Compact design. Shpg. wts. per 100 pcs.: 25C, 6 1/4 lbs.; 21C, 18 lbs.; 11C, 41 lbs.

Stock No.	Mfr's Type	Amps	Size	EACH
47 B 5073	25C	75	None	.3" .43 .30
47 B 5031	21C	100	+ 4 1/2"	1.05 .73
47 B 5032	21C	100	None	1.05 .73
47 B 5033	11C	200	+ 6	1.96 1.37
47 B 5034	11C	200	None	1.96 1.37

3-SIDED MESH-TEETH CLIPS

B Good jaw spread and current carrying capacity. Cadmium-plated steel; solid copper; solid bronze. Insulation-piercing needle jaws open 3/4". Wt., per 100, 3 1/2 lbs.

Stock No.	Mfr's Type	Amps	Size	EACH
47 B 5010	448B	20	2"	.12 .09
47 B 5078	448C	20	2"	.17 .12
47 B 5087	150C	20	2 1/4"	.28 .20
47 B 5015	532T	20	2 1/4"	.12 .10
47 B 5089	532	20	2 1/4"	.14 .10
47 B 5074	25	40	2 1/4"	.22 .16
47 B 5097	27C	40	2 1/4"	.24 .17



TYPE 60-NS

ALLIGATOR NEEDLE CLIP

Ideal for any application where it is desirable to pierce the insulation of a wire to make a connection. Slim jaws open 3/4", have beryllium copper needle. Wire centering notches hold conductor securely. Screw type. Shpg. wt., per 100, 1 lb. Prices per pkg. of 10.

47 B 5014, 1-9. Ea. 130 10-49. Ea. 1, 10



TUBE CAPS

Heat dissipating types (Fig. P) have set-screw. Type 36011 (Fig. S) gives tight grip to insure good contact. Shpg. wt., per package, 3 oz. *Figure.

Stock No.	* Description and Application	Pkg. of	PER PKG.
47 B 2514	N National Type GG-24.2. For standard tubes, 3/4" dia. grid caps.	5	.25
47 B 2515	N National Type 8. For octal tubes, 1/4" diameter grid caps.	5	.40
47 B 2096	P Eumac HR-6 heat dissipating cap for 4-250A, 304TH, etc. 2 1/2" hole.	1	1.20
47 B 3086	P Bud TC-487 heat dissipating cap for UH50, HK24, 304B, 832A, 834, 1/4" hole.	1	.90
47 B 3088	P Bud TC-1920 heat dissipating cap for 100T, 807, 4-125A, 2-150D, 250TH, 4-250A, 6146, 1625, 4D32, 807W, 1B3CT, etc. 3/4" hole.	1	.85
47 B 3089	P Bud TC-1921 heat dissipating cap for 866, 1125, HF100, 450TH, 750TH, 809, 811, 812, 813, 828, 866, etc. 3/4" hole.	1	1.00
47 B 3243	S Millen 36011 industrial snap-action-release, self-locking plate cap. 3/4".	1	.90
47 B 2175	R National SPP-9 ceramic-insulated grid and plate cap. 3/4".	1	.24
47 B 2518	R National Type GG-12-2 grid and plate cap. 3/4".	1	.24
47 B 3244	T Millen Type 36002 teatite tube cap. 3/4".	1	.33
47 B 3245	T Millen Type 36004 teatite tube cap. 1/4".	1	.39
47 B 3246	T Millen 36001 teatite plate cap for 866, etc. 3/4".	1	.39

"MINI-GATOR" CLIPS

C 3/4" jaw opening, 1/4" O.D. tip, including insulator. Type 30, cadmium-plated steel; 30C, solid copper. Per 100, 4 oz. Pkg. of 10.

Stock No.	Mfr's Type	Amps	Size	Per Pkg. of 10
47 B 5140	30	5	1 1/4"	.49 .53
47 B 5141	30C	5	1 1/4"	.61 .42

"MICRO-GATOR" CLIPS

D Similar to "Mini-gators" but with tiny tip for small terminals, etc. Cadmium-plated steel; solid copper. 1 1/4 lbs. per 100 pcs.

Stock No.	Mfr's Type	Amps	Size	Per Pkg. of 10
47 B 5178	34	1	1 1/4"	.41 .36
47 B 5179	34C	1	1 1/4"	.53 .46

70 SERIES ALLIGATOR CLIPS

E Cadmium-plated steel; solid copper; solder connection; screw connected. Wt., per 100, 1 lb.

Stock No.	Type	Size	Per Pkg. of 10
47 B 5173	170	5	1 1/4" .42 .36
47 B 5174	170S	5	1 1/4" .50 .43
47 B 5175	170CS	10	1 1/4" .77 .66

INSULATED BARREL ALLIGATOR CLIPS

F Cad-plated steel, except solid copper. Jaws open 3/4". Per 100, 1 1/2 lbs. Handle.

Stock No.	Type	Size	Per Pkg. of 10
47 B 5081	60HS	2 1/4"	.80 .69
47 B 5082	60HS	2 1/4"	.80 .69
47 B 5083	60CHS	2 1/4"	1.06 .91
47 B 5084	60CHS	2 1/4"	1.06 .91

85 SERIES CROCODILE CLIPS

G 1Phone tip on one jaw. Screw connections. Wt., per 100, 1 1/2 lbs.

Stock No.	Type	Size	Material	Ea.	Multiples of 10, Ea.
47 B 5060	85	2 1/4"	Cad-plated	.10	.07
47 B 5062	85C	2 1/4"	Solid copper	.19	.13
47 B 5098	85T	2 1/4"	Cad-plated	.25	.17

60 SERIES ALLIGATOR CLIPS

H Solder type; "S"—screw type. Per 100, 1 lb. Pkg. of 10. *1-9, 10-49.

Stock No.	Type	Size	Material	Ea.	Multiples of 10, Ea.
47 B 5011	160	2"	Cad-plated	.48*	.42*
47 B 5012	60S	2"	Cad-plated	.58*	.50*
47 B 5013	60CS	2"	Solid copper	.86*	.74*

INSULATED ALLIGATOR CLIPS

J No. 63 clip, cadmium-plated steel; No. 63C clip, solid-copper type. *Red or black insulator. Size, 2 1/4". Per 100 pcs., 1 1/2 lbs.

Stock No.	Type	Amps	* Size	Per Pkg. of 10
47 B 5145	63	5	Red	.19 .13
47 B 5146	63	5	Black	.19 .13
47 B 5147	63C	10	Red	.22 .15
47 B 5148	63C	10	Black	.22 .15

SLIP-ON INSULATORS FOR CLIPS

K Tough, flexible vinyl plastic insulators. High dielectric strength; holds clip firmly; resistant to oils and grease. Covers entire clip except for end of nose. Long tail prevents breakage of wire. Available in red and black. Av. shpg. wts., 5 oz. *Mfr's type.

Stock No.	* For Series	Color	EACH
47 B 5036	13	11 Red	.80 .56
47 B 5037	13	11 Black	.80 .56
47 B 5038	23	21 Red	.40 .28
47 B 5039	23	21 Black	.40 .28
47 B 5041	26	24, 25 Red	.21 .15
47 B 5042	26	24, 25 Black	.21 .15
47 B 5043	29	27 Red	.13 .09
47 B 5044	29	27 Black	.13 .09
47 B 5046	32	30 Black	.05 .03
47 B 5047	32	30 Black	.05 .03
47 B 5051	36	34 Red	.05 .03
47 B 5052	36	34 Black	.05 .03
47 B 5053	47	45 Red	.06 .04
47 B 5054	47	45 Black	.06 .04
47 B 5056	49	48, 50 Red	.09 .07
47 B 5057	49	48, 50 Black	.09 .07
47 B 5058	62	60, 70 Red	.05 .03
47 B 5059	62	60, 70 Black	.05 .03
47 B 5061	72	70 Red	.05 .03
47 B 5063	72	70 Black	.05 .03
47 B 5064	87	85 Red	.06 .04
47 B 5066	87	85 Black	.06 .04



HIPPO AND PIGMY HIPPO HIGH-CURRENT CLIPS

Plier clips for fast battery chargers and battery-booster cables. Tough vinyl insulating sleeves marked for polarity. Solder strap and cable clenching ears. Locks on battery terminal in any position. 1 1/4" jaw spread; 6" long. Solid copper-plated rated 100 amps. Wt., per 100, 41 lbs.

47 B 5076, Red, Positive..... Ea. .45
47 B 5077, Black, Negative..... Ea. .45
Type 46-A, Pigmy-hippo clip. Above, but 1 1/4" jaw spread, 30 amp. 5 1/4 lbs. per 100.
47 B 5071, Red, Positive..... Ea. .15
47 B 5072, Black, Negative..... Ea. .15

H. H. SMITH ADAPTER CLIPS



Alligator clips with jacks in handle to accept tip and/or banana plugs. Cadmium-plated steel.

L PLASTIC-HANDLE ALLIGATOR CLIPS

Type 305 With Combination Tip-Jack and Banana Jack. Ideal for use with test prods. Aids servicing. 2 oz.

47 B 1168, Red .39 47 B 1169, Black .39

Type 304 With Tip Jack. Accommodates standard tip plug only. 2 oz.

47 B 1300, Red .33 47 B 1305, Black .33

M ALL-INSULATED ALLIGATOR CLIPS

Type 337 With Banana Jack. Accommodates banana plug in receptacle end. 2 oz.

47 B 1382, Red .24 47 B 1383, Black .24

Type 336 With Tip Jack. Accommodates standard tip plug in receptacle end. 2 oz.

47 B 1373, Red .36 47 B 1374, Black .36

BATTERY BINDING POSTS

250-amp rating. Separate threaded terminal for cable with lugs. 5 oz.

47 B 1785..... 56

Tube Sockets and Adapters

AMPHENOL STANDARD TUBE SOCKETS



A Type MIP. Bakelite body with molded-in steel plate. Requires 1 3/4" hole; mounting enters, 1 3/4". All others have 1 3/8" mounting enters. Requires 1 1/4" hole; others 1 1/8". Mica-filled bakelite. Av. shpg. wt., 4 oz.

Stock No.	Type	Prongs	EACH
7 B 0024	77M1P4	4	.19
7 B 0025	77M1P5	5	.21
7 B 0026	77M1P6	6	.23
7 B 0027	77M1P7S	7 Small	.25
7 B 0029	77M1P7L	7 Large	.28
7 B 0028	77M1P8	Octal	.23
7 B 0126	*88-SX	Octal	.33
7 B 0030	*88-SX	Octal	.25
7 B 0034	77M1P8T	Octal	.25
7 B 0032	77M1P9	9	.29
7 B 0033	77M1P11	11	.29
7 B 0069	77M1P12	12	.30
7 B 0070	77M1P20	20	.67

B Type RS. High dielectric bakelite body with removable steel mounting plate. Designed for mounting in size 1 1/4" hole. Employ lotted mounting holes to fit centers from 1 1/2 to 1 1/8". Av. shpg. wt., 4 oz.

Stock No.	Type	Prongs	EACH
7 B 0004	78KS4	4	.26
7 B 0005	78KS5	5	.28
7 B 0006	78KS6	6	.30
7 B 0008	78KS8	Octal	.29
7 B 0071	78KS11	11	.35



C Type RSS. Ultra-low-loss stearite replacement sockets. Ruggedly constructed. Adaptable to a wide variety of uses. Excellent for use in high-frequency transmitting equipment, etc. All are universal type; have removable mounting plate with slotted holes 1 1/2 to 1 1/8". Mounting hole, 1 1/2" except Type 4RSS1L, which requires 1 1/4". Av. shpg. wt., 5 oz.

Stock No.	Type	Prongs	EACH
7 B 0074	49RSS4	4	.94
7 B 0075	49RSS5	5	.94
7 B 0076	49RSS6	6	.94
7 B 0079	49RSS7L	7 Large	1.70
7 B 0078	49RSS8	Octal	1.12

D Type S. High-dielectric molded bakelite body. Units are the same as Type RS, but without mounting plate. Mount quickly and easily without screws or rivets on panel or chassis up to .050" thick with retainer ring supplied. Ruggedly built for trouble-free service. Socket may be positioned to line up contacts for convenient wiring. Require keyed 1 1/4" mounting hole. Av. shpg. wt., 4 oz.

Stock No.	Type	Prongs	EACH
7 B 0054	78S4	4	.18
7 B 0055	78S5	5	.20
7 B 0056	78S6	6	.22
7 B 0057	78S7S	7 Small	.25
7 B 0058	78S8	Octal	.21
7 B 0062	78S9	9	.24
7 B 0060	78S11	Loktal	.32
7 B 0072	78S11	11	.28

AMPHENOL SPECIAL OCTAL AND MAGNAL SOCKETS

J Type 77-MIP8FK Floating Octal. Live-rubber grommets in enlarged mounting holes of sturdy steel plate. Mounts in 1 3/8" hole with two 3/4" holes on 1 1/2" centers. Supplied with grommets, nuts, screws, nuts, washers. Shpg. wt., 5 oz.

7 B 0043.....41

K 59-402 Duodecal Tube Socket. For use with oscilloscopes, other CRT's. 12 equally spaced pins on a circle diameter of 1.063". Bakelite. Removable cap. Wt., 5 oz.

7 B 0100.....93

AMPHENOL MINIATURE SOCKETS AND SHIELDS



Finest quality. The 147 series mount in 3/4"-diameter holes, and have 7/8" mounting centers with 1/4" holes. The 59 series mount in 1/2" holes, and have 1 1/4" mounting centers with .095" holes (except Type 59-403, which is .125"). *Mica filled. 1. Constructed of black bakelite. Av. shpg. wt., 5 oz.

Stock No.	Type	Prongs	EACH
47 B 0191	*147-500	7	.31
47 B 0199	*147-505	7	.31
47 B 0193	*147-409	9	.35
47 B 0167	*59-410	9	.36

Stock No.	Type	Prongs	EACH
47 B 0194	*147-905	7	.35
47 B 0175	*147-913	7	.34
47 B 0103	*59-403	9	.51
47 B 0177	*59-407	9	.41
47 B 0196	*59-406	9	.40

G TUBE SHIELDS
FOR 9-CONTACT SOCKETS
Made of cold rolled cadmium plated steel, 5 oz.

Stock No.	Type	Height	EACH
47 B 0189	5-408	1 1/4"	.25
47 B 0190	5-409	2 3/8"	.31

H RETAINER RING SOCKETS
Mount in 3/4" round or "D" shaped hole with retainer rings provided. May be used with Amphenol Series 91-MPM plugs. Made of black bakelite. Shpg. wt., 5 oz.

Stock No.	Type	Prongs	Pkg.
47 B 0121	78-S3S	3	.55
47 B 0123	78-S4S	4	.75
47 B 0124	78-S5S	5	1.00
47 B 0125	78-S6S	6	1.05
47 B 0129	78-7P	7	1.40

TYPE "S" 9-PIN SOCKET
Full-size bakelite body with miniature 7 or 9-pin contacts. Ideal for re-cutting—mounts quickly and easily without screws or rivets, on panel or chassis. Mounts in keyed 1 1/4" hole with ring (supplied). 5 oz.

7 B 0114, 78-A9P.....35

ACS SOCKET SHELL
Type 23-1S. Lightweight aluminum shell for Type RSS, KS and sockets (except Type 49RSS1L). Permits extension of sockets 1/4" above or below chassis. Body dia., 1 1/8"; 2 3/8" base. Requires 1 1/4" mounting hole. Socket not supplied. Wt., 5 oz.

7 B 0127.....26

VECTOR SOCKET TURRETS

Terminal structures for single or multi-stage sub-assemblies. Mount on phenolic form; 7 pin miniature in 3/4" hole; 9 pin novar in 1 1/4" hole. 1/2-in. dia. Wt., 3 oz.

2" Turrets. 9 terminals in two rings, 1" apart.

Stock No.	Type	Socket	EACH
47 B 0217	8-M-9T	7-Pin Min.	.76
47 B 0233	8-N-9T	9-Pin Novar	.76

1 1/4" Turrets. Have 6 terminals in one ring.

47 B 0218	6-M-6T	7-Pin Min.	.69
47 B 0234	6-N-6T	9-Pin Novar	.69

Type S9 Shield Base. For use with miniature 9 pin sockets above. Fastens above chassis on socket mounting centers. Use with standard bayonet shield. Shpg. wt., 2 oz.

47 B 0236.....06

POMONA SOCKET SAVERS

Rigid-mounting socket savers designed for use in tube checkers and other electronic equipment to reduce wear of tube sockets. Easy to install and remove—just plug directly into original tube socket. Eliminates the necessity of replacing and rewiring sockets on original equipment. Prevents wear from repeated tube insertions. Constructed with beryllium copper tin alloy-plated contacts. Av. shpg. wt., 3 oz.

Stock No.	Type	Use With	EACH
47 B 0668	SS-7	7-pin miniature	1.75
47 B 0669	SS-8	8-pin octal	1.75
47 B 0670	SS-9	9-pin miniature	1.75
47 B 2240	SS-12	12 pin compactron	2.25
47 B 2146	1751	9-pin novar	1.95

POMONA TEST SOCKET TUBE ADAPTERS

Permits circuit measurements from top of chassis. Plug-in test socket tube adapter has extended test tabs which make it easy to take readings. TVS-7 TV-9 TVS-12 have mica-filled molded design per MIL-M-14, Breakdown voltage 1700 volts. TVS-9 1447, 9 Manufacturer's Types 1447, 1449 and 2610 for use with sockets having captive or telescoping tube shields. Breakdown 1800 volts AC or DC. Av. shpg. wt., 5 oz.

Stock No.	Types	Pins	Description	EACH
47 B 0035	TVS-7	7	Miniature	1.65
47 B 0036	TVS-8	8	Octal	1.75
47 B 0037	TVS-9	9	Miniature	1.85
47 B 2211	TVS-12	12	Compactron	2.55
47 B 0038	1447	7	Miniature	1.85
47 B 0039	1449	9	Miniature	1.95
47 B 0045	2610	10	Decal	2.55
47 B 2417	2497	9	Magnaval	2.75
47 B 2286	1779	9	Novar	2.25

POMONA 110° TUBE CONVERSION ADAPTERS

110-S Sylvania Type. For duodecal equipment in for 110P socket. Converts to 7FA basing. Shpg. wt., 4 oz.

47 B 0683.....1.55

110-R RCA Type. As above, but converts to 8HR basing. Shpg. wt., 5 oz.

47 B 0684.....1.55

H.H. SMITH 'MINI-SPRING' TUBE HOLD-DOWNS

Hold tubes securely in place. Prevent breakage and assure greater stability. Valuable where tubes are mounted upside down or in a horizontal position. For 7 or 9-pin miniature tubes. Mount with nut and bolt, or may be installed with rivet. Average shpg. wt., 3 oz. 10 per package.

Stock No.	Height	For Tubes	Per Pkg.
47 B 1320	2 3/4"	6AQ5, 6X4, 35B5, 35W4, 50B5, etc.	1.14
47 B 1321	1 3/4"	1R5, 6AG5, 6AT6, 6BE6, 6C4, etc.	1.14
47 B 1323	1 1/4"	12AT7, 12AU7, etc.	1.16

We can furnish the complete line of Amphenol, Pomona, H. H. Smith and Vector connectors. Write for data on types not listed in this catalog.

Sockets and Socket Adapters

EBY SOCKETS AND ADAPTERS

TUBE SOCKETS



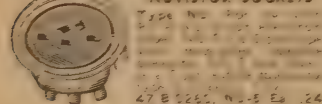
Above-Chassis Type. Compact, rugged, reliable construction. Low profile design for panel mounting. Mtg. circ. 1 1/2". Supg. wt. 1.4 oz.

Stock No.	Type	Prongs	EACH
47 B 0254	12-4	4	.57
47 B 0258	12-8	Octal	.75

T₁ Tube Socket Type 49-13DD. Reinforced, shockproof design. Low profile design for panel mounting. Mtg. circ. 1 1/2". Supg. wt. 1.4 oz.

47 B 0265 Each .96

NUVISTOR SOCKETS



47 B 0265, N-5 E3 .24
47 B 0265, N-5 E2 .24

TEST SOCKET ADAPTERS

FOR COLOR TV CRT



Type CA-1. Test socket adapter for color TV CRT. Mounts on standard test socket. Supg. wt. 8 oz.

47 B 1384 Each 4.17

FOR BLACK & WHITE TV CRT



Type 1000. Socket adapter for testing black-and-white TV CRT. Mounts on standard test socket. Supg. wt. 8 oz.

47 B 0273 Each .11

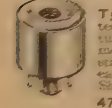
NOVAR ADAPTER



Type 9230. Keep your servicing equipment up-to-date by adding this adapter. Mounts on standard test socket. Supg. wt. 8 oz.

47 B 1399 Each .80

NUVISTOR ADAPTER



Type 9820. This adapter permits test of the RCA Type Nuvistor tubes using existing test equipment. Simply plug adapter into standard octal socket. Includes easy-to-follow instruction sheet. Supg. wt. 4 oz.

47 B 1359 Each 2.40

POMONA SURFACE-MOUNTING BREADBOARD SOCKETS



XS-7 XS-8 XS-9

Miniature surface-mounting sockets. Designed for use in breadboard-type test equipment. Easy connections. Standard, center-to-center mtg. holes. XS-7 and XS-9 mount either in center or on side. XS-8 mounts on side only. 1 oz.

Stock No.	Type	Pins	EACH
47 B 2215	XS-7	7	.59
47 B 2216	XS-8	8	.75
47 B 2217	XS-9	9	.69

CINCH-JONES SOCKETS



OCTAL AND MINIATURE TUBE SOCKETS

A Type 8AB Octal Socket with Tie Mounting Center. General-purpose socket molded from high-temperature black bakelite. Has brass contacts and a steel pressed-on saddle with four ground lugs. Mounts in 1-in. chassis hole. Supg. wt. 6 oz.

47 B 3359 Pkg. of 5 for .65

C Octal Sockets With 1 1/4" Mounting Centers. Similar to above, have chin on saddle with 4 ground lugs; mount in 1 1/4" hole. Ceramic unit for UHF use. Pkg. of 5 4 oz.

Stock No.	Type	Prongs	Pkg. of 5 for
47 B 3371	8EB	Black bakelite	.65
47 B 3363	8EM	Black bakelite	.75

Miniature Sockets—Bottom Mounting. Molded bakelite. Solder-contact brass contacts: 4 on top, 4 on bottom. Saddle, 7EB mounts in 1/2" hole, 7EM mounts in 3/8" hole. Supg. wt. 5 oz.

Stock No.	Type	Prongs	EACH
47 B 1126	7EB	C 7-pin, bakelite	—
47 B 1128	7EM	C 7-pin, bakelite	—

WAFER-TYPE TUBE SOCKETS



Laminated-bakelite tube sockets which can be used in standard test equipment. Supg. wt. 4 oz.

Stock No.	Type	Prongs	Pkg. of 5 for
47 B 0614	10A	10	.65
47 B 0615	10B	10	.65
47 B 0616	10C	10	.65

NOVAR SOCKET

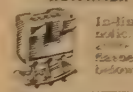


Type 9MS-B. For 9-pin miniature tubes. Mounts on standard test socket. Supg. wt. 8 oz.

47 B 1384 Pkg. of 5 for .75

ELCO PRINTED-CIRCUIT AND TRANSISTOR SOCKETS

RETAINER MOUNT SOCKETS



In-line sockets of mica-filled phenolic. For transistors and subminiature tubes. Contacts are gold-finished. Requires retainers listed below. Pkg. of 5, 1 oz.

Stock No.	Type	Prongs	Pkg. of 5
47 B 1071	05-0799	3	.60
47 B 1089	05-0803	4	.70

Retainer Ring For Above Sockets. Designed for Type 05-0799 and 05-0803 transistor and miniature tube sockets above. 2 oz.

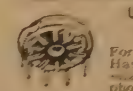
47 B 1096 Pkg. of 5 for .07

PRINTED CIRCUIT SOCKETS



Excellent selection of sub-miniature, mica-filled plastic sockets for use on printed circuit boards. For transistors and subminiature tube types. All contacts gold-finished. Av. wt. 2 oz.

Stock No.	Type	Prongs	Pkg. of 5
47 B 5562	05-0804	3	.19
47 B 5563	05-0803	4	1.20



UHF PRINTED-CIRCUIT STANDOFF SOCKETS
For 7 and 9-pin miniature tubes. Have low-loss, mica-filled in-line contacts. Supg. wt. 4 oz.

Stock No.	Mfr's Type	Pins	Pkg. of 5
47 B 5521	05-0730-01	7	1.05
47 B 5526	05-0930-01	9	1.04

POWER TRANSISTOR SOCKET



Type 2-TE. For 2-pin power transistors. Mounts on standard test socket. Supg. wt. 8 oz.

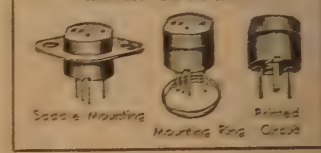
47 B 0733 Each .11

JAMES MILLEN TUBE SOCKETS

Low-loss miniature 4 and 5-pin vacuum tube sockets for ultra-high frequency applications. Barrier between contacts for longer leakage paths to assure isolation of the contacts. Mounting centers in sturdy base are drilled for screw-type mounting. 1 1/4". Supg. wt. 4 oz.

Stock No.	Type	Prongs	EACH
47 B 3200	3-0004	4	.85
47 B 3201	3-0005	5	.85

TRANSISTOR SOCKETS



Subminiature mica sockets eliminate loss and damage from direct soldering of transistor pins. For 3-pin transistors with in-line pins. For 3-pin transistors with 1/2" and 3/8" mounting centers. Supg. wt. 2 oz.

JAN CRYSTAL SOCKETS
M11, 1-0207-01 For 400' and 400' configuration. Supg. wt. 2 oz.

Stock No.	Mfr's Type	Pins	Pkg. of 5
47 B 5542	05-0210-01	1	.60
47 B 5543	05-0210-04	4	.66

VECTOR-PAK 28X HIGH-FREQUENCY CIRCUIT BREADBOARDING KIT

VECTOR-PAK 28X HIGH-FREQUENCY CIRCUIT BREADBOARDING KIT

Complete "RF tight" kit for packaging circuits operating at VHF frequencies, and up through UHF ranges where "plumbing" type lines are generally required. Virtually duplicates circuit performance achieved by more expensive construction techniques. Also permits making circuit and component changes very quickly and easily. Circuit may be slipped out without effort and replaced with another.

Kit consists of two parts: an 8 1/2"x3 1/2" aluminum case with 2 side-out shield slides for ready access to the enclosed copper-clad circuit board; and the circuit assembly hardware. Case provides an RF-tight, completely shielded enclosure. Circuit assembly hardware includes: 1 punch-and-drill, copper clad, epoxy glass Vectorbord (8 1/2"x3 1/2"); 4 standoff terminal strips with 8 terminals; 2 standoff terminal strips with 12 terminals; 3 punched wall strips (.64x1.94") with "L" mounting brackets; 10 terminals; 3 copper-clad punched strips for internal shielding (.90x2.85"); 50 "Miniklip" terminals; 1 terminal inserting tool; 1 pad cutter tool; 3 tetrode type transistor sockets, 30 saddle, 3 right-angle mounting tetrode type transistor sockets; 2 power transistor sockets; 36 mounting screws (#0-80x3/16") with nuts; 1 socket wrench for nuts; 15 steel spacers; 10 epoxy glass transistor mounting pads; 1 roll of #24 copper wire, vinyl covered; 1 roll of tinned copper wire; 18 pieces of plastic tubing for copper wire with 1/16" O.D.; 50 eyelets (1/16"x1/2").

All circuit components mount close to copper ground plane by using terminal strips, sockets and hardware. Less case, below. Shpg. wt. 2 lbs.
47 B 6034, Complete 28X Kit..... 27.50
47 B 6036, Type HF-20-86/31 Case Only. With 2 sliding sides. Sturdy aluminum. Shpg. wt., 8 oz. 5.50

BREADBOARD ACCESSORIES

Solderless Sockets. Reliable solderless "Springclips" are soldered to socket contacts. Up to 6 leads connect to each "Springclip" for fast, reliable connection. Sockets mount on "AA" or "AA" pattern. Vectorbord with furnished hardware. 1/4 oz.

Stock No.	Mfr's Type	Description	EACH
47 B 5614	567-1C	8-Pin Octal	1.50
47 B 5615	568-1C	9-Pin Novol	1.65
47 B 5616	569-1C	7-Pin Miniature	1.35
47 B 5617	570B	4-Lead Transistor	1.20

B20 Pot and Switch Brackets. Aluminum brackets fit any "AA" or "AA" Vectorbord. 2x1x1/4".
47 B 5618, Shpg. wt., 4 oz..... Pkg. of 4 for .48

Bus Stripping. Brass strips. 2 1/2" wide; .093" holes, .265" crts. Mount with T-9.4 terminals, T-30 clips or #4 self-tap screws. ("AA" or "AA" pattern).

47 B 5620, T 58 8 Strips. 1/4 oz..... Pkg. of 10 .77
47 B 5619, T 57 16 Strips. 1/2 oz..... Pkg. of 10 1.21

EXPERIMENTERS' CHASSIS KITS

Designed for rapid setup of experimental circuits with simple hand tools. For tube or transistor circuits. Include push-in terminals, perforated XXXP phenolic decks, aluminum supports, T-30N-2 installation tool, spring pusher tool, hardware. Terminals: T-9.4 supplied with insert tool (push-in type requires soldering); T-30N-2 "Springclip" with winged washer for easy push-down, holds up to 6 wires tightly, without soldering, crimping, bending. New patchcords slip in between spring coils of solderless terminals and speed wiring. Type 20X has 1 deck; Type 21X has 1 large and 2 small decks, 8 patchcords; Type 22X has 1 large deck, 2 small decks, 16 patchcords; Type 25X has 1 large and 2 small decks, 10 patchcords, wood, aluminum parts. Shpg. wts.: 20X, 1 lb.; 21X, 2 1/4 lbs.; 22X, 1 1/4 lbs.; 22XA and 25X, 3 1/2 lbs.

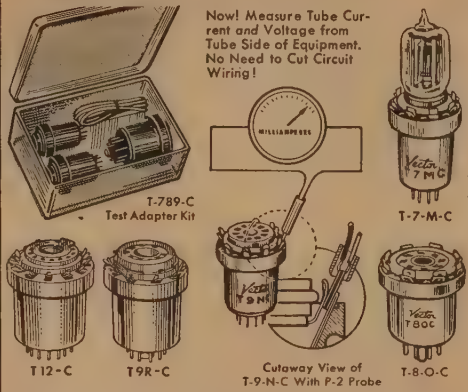
Stock No.	Type	L. Deck	Small Deck	EACH
7 B 0906	20X	4 1/2"x8 1/2"	1 1/2"x12 1/2"x1/2"	6.75
7 B 0907	21X	4 1/2"x8 1/2"	1 1/2"x12 1/2"x1/2"	16.75
7 B 0908	22X	4 1/2"x8 1/2"	1 1/2"x12 1/2"x1/2"	1.50
7 B 0945	22XA	8 1/2"x1 1/2"	1 1/2"x12 1/2"x1/2"	28.00
7 B 0909	25X	8 1/2"x1 1/2"	1 1/2"x12 1/2"x1/2"	21.45

KITS ABOVE INCLUDE THE FOLLOWING

Mfr's	Terminals				Patch-	Tube Sockets			Trans.Skts.	
Type	T-9.4	T-30	N-2	T-32A	cords	7P	8P	9P	3, 4P	Power
20X	75	0	0	0	0	1	1	1	0	0
21X	100	50	0	8	3	3	3	1	1	2
21X	75	20	0	6	3	0	0	0	0	0
22XA	100	100	18	14	0	0	0	0	0	2
25X	100	90	10	13	3	2	2	4	4	4

TEST ADAPTERS AND KITS

CURRENT/VOLTAGE-TEST TUBE-SOCKET ADAPTERS



Type T-7-M-C Socket Test Adapter. Fits shield base for 7-pin miniature tube socket. Lets you make accurate voltage, current and waveform measurements from top-side of chassis. Tabs are a pair of spring contacts which separate electrically when optional Dual Side P-2 Probe (see table below) is inserted. Probe "breaks" circuit, and gives current or voltage reading to your meter. Electrostatic capacity approx. 1µF. Flash-over voltage, over 1500 VDC. Has phenolic shell, socket and plug. Length, less prongs, 1.47". Shpg. wt., 1/4 oz.

T-8-O-C Socket Test Adapter. Fits 8-pin octal tube clamps. Same specs as T-7-M-C test adapter except length, less prongs is 1.5". Wt., 1/2 oz.

T-9-N-C Socket Test Adapter. Fits into shield base for 9-pin miniature types. Has same specs as T-7-M-C test adapter. Shpg. wt., 1/4 oz.

Type T-9-R-C Socket Test Adapter. Fits 9-pin Novar socket. Has same specs as T-7-M-C except length less prongs, 1.81". Shpg. wt., 2 oz.

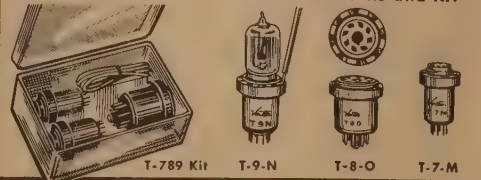
Type T-12-C Socket Test Adapter. Fits 12-pin Compactor socket. Has same specs as T-7-M-C except length less prongs, 1.81". Wt., 2 oz.

Stock No.	Type	Socket	Body Dia.	Skirt Dia.	Oz.	EACH
47 B 6035	T-7-M-C	7-Pin Min.	.75"	1.03"	1 1/2	2.53
47 B 6037	T-8-O-C	8-Pin Oct.	1.26"	1.56"	1 1/2	1.19
47 B 6038	T-9-N-C	9-Pin Min.	.87"	1.16"	3/4	2.70
47 B 4528	T-9-R-C	9-Pin Nov.	1.26"	1.56"	2	3.65
47 B 4527	T-12-C	12-Pin Comp.	1.26"	1.56"	2	3.85
47 B 6040	P-2	Dual Sided Plug-in Probe			1/2	.79

TYPE T-789-C COMPLETE 3-SOCKET ADAPTER KIT

Has T-7-M-C, T-8-O-C, T-9-N-C adapters, P-2 Probe, plastic case. **47 B 6039, Shpg. wt., 6 oz..... 9.74**

VOLTAGE-TEST TUBE-SOCKET ADAPTERS AND KIT



Type T-7-M Socket Adapter. Similar to T-7-M-C above, but without current-measuring feature. Fits 7-pin miniature tube socket. Tabs on adapter designed to grip optional P-1 Probe, listed below. Flashover voltage in excess of 1500 VDC. Length, less prongs, 1.5". Wt., 1/2 oz.

Type T-8-O Socket Adapter. Fits standard 8-pin octal tube clamps. Has same specifications as T-7-M above. Shpg. wt., 1/4 oz.

Type T-9-N Socket Adapter. Fits into shield base for 9-pin miniature types. Has same specifications as T-7-M above. Shpg. wt., 1/2 oz.

Stock	Type	Socket	Shell Body Dia.	Shell Skirt Dia.	EACH
47 B 0040	T-7-M	7-Pin Min.	.75"	1.03"	1.65
47 B 0041	T-8-O	8-Pin Oct.	1.25"	1.56"	1.75
47 B 0042	T-9-N	9-Pin Min.	.87"	1.16"	1.85
47 B 0044	P-1	Plug-in Probe			.52

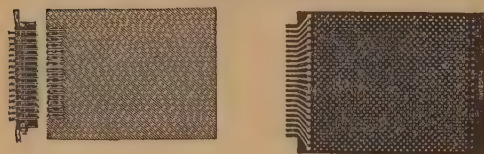
TYPE T-789 COMPLETE 3-SOCKET KIT

Includes all 3 of the voltage-test tube-socket adapters described above—Types T-7-M, T-8-O and T-9-N—plus a handy P-1 probe. Comes in sturdy plastic case. Shpg. wt., 6 oz.
47 B 0210..... 5.90

Terminal Boards, Terminals, and Knobs

VECTOR "PLUGBORDS," RECEPTACLES, "VECTORBORD" AND TERMINALS

"PLUGBORDS" AND RECEPTACLES



R616-1

812

838-A



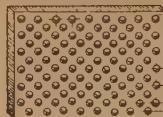
2536-WE

"Plugboards." Manufactured of sturdy $\frac{1}{16}$ " thick epoxy paper, EXXXP per MIL-P-22324 except * are $\frac{1}{16}$ " epoxy glass, Grade G-10 per MIL-P-18177. All plugboards except Type 2536WE have grid of .062" holes on alternate 0.1" centers. Type 2536WE has .09" holes on 0.2" grid and number matrix for easy hole identification. Type 838PWE has an etched copper pad network. All contacts are on .156" centers and .072" wide except ϕ .090" wide Av. shpg. wt., 2 oz.

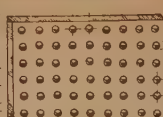
Stock No.	Mfr's Type	Size	No. Contacts	EACH
47 B 0928	812	4 1/2 x 1 1/2"	16	2.87
47 B 5606	812WE*	4 1/2 x 1 1/2"	16	3.39
47 B 0927	837	3 x 4 1/2"	12	2.24
47 B 5607	837WE	3 x 4 1/2"	12	2.48
47 B 5609	838A	4 1/2 x 1 1/2"	22	2.70
47 B 5611	838PWE*	4 1/2 x 1 1/2"	22	3.51
47 B 5608	848WE*	4 1/2 x 1 1/2"	35	5.86
47 B 5622	838	4 1/2 x 1 1/2"	43	5.74
47 B 6023	2536WE*	4 1/2 x 1 1/2"	35	6.70

Receptacles. All types come equipped with solder and taper tab leads. Av. shpg. wt., 3 oz.

Stock No.	Mfr's Type	No. of Contacts	For	EACH
47 B 6024	R612-1	12	837, 847WE	1.80
47 B 6026	R616-1	16	812, 812A, 812B	2.24
47 B 5612	R634	44	838PWE, 838 and A	6.62
47 B 5635	R635	35	848WE, 2536WE	4.91



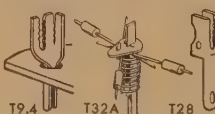
Pattern G



Pattern A, AA, B, F

glass, G-10 per MIL-P-18177. Patterns A, B, F, G are $\frac{1}{16}$ " thick; AA $\frac{3}{16}$ " thick. Patterns A and AA have .093" holes on .265" grid; B has .062" holes on .180" grid; G has .062" holes on staggered 0.1" grid; F has .062" holes on .2" grid, 17" long except *8 1/2". Push-in T9.4 and T32A terminals, below, fit Pattern A and AA. T-28 fit B, F and G. Av. wt., 7 oz.

Stock No.	Mfr's Type	Width	Pattern	No. Holes	EACH
47 B 0916	85C24EP	4 1/4"	G	(85x23)x2	2.06
47 B 0917	32AA18	4 1/4"	AA	32x18	.84
47 B 0918	64A18	4 1/4"	A	64x18	1.25
47 B 0919	64AA18	4 1/4"	AA	64x18	1.60
47 B 0926	32AA9*	2 7/8"	AA	32x9	.60
47 B 5601	64A18WE	4 1/4"	G	64x18	3.72
47 B 5604	85C24WE	4 1/4"	G	(85x23)x2	3.81
47 B 5605	85F24EP	4 1/4"	F	85x23	2.06
47 B 6008	64AA18EP	4 1/4"	AA	64x18	2.73
47 B 6009	42C24WE*	4 1/4"	G	(42x24)x2	1.89
47 B 6005	45B30*	5 3/8"	B	45x30	1.84
47 B 6006	60B30	6 1/8"	B	60x30	1.62
47 B 6007	64AA32	8 1/2"	AA	64x32	2.45



PUSH-IN TERMINALS

Hold multiple leads, need no spring clips. Type T9.4 have slots for small and large leads. Type T32A notating slip hold up to six .05" dia. wires without soldering. T28 terminals are designed for subminiature components. Shpg. wt., per pkg. of 100, 3 oz.

Mfr's Type	Fits Holes	Stock No.	PER PKG. OF 100	Stock No.	PER PKG. OF 1000
T9.4	.091"	47 B 0878	1.38	47 B 1437	9.79
T28	.062"	47 B 0879	1.55	47 B 1438	11.00
T32A	.093"	47 B 6046	9.90	47 B 6047	75.00

Insertion Tools. Simplify insertion of push-in terminals. Av. wt., 2 oz.
 47 B 0601. Type P-91. For T28 terminals.50
 47 B 0603. Type P-92A. For T30N-2 and T32A terminals.50
 47 B 0607. Type P-122. For T9.4 terminals.100

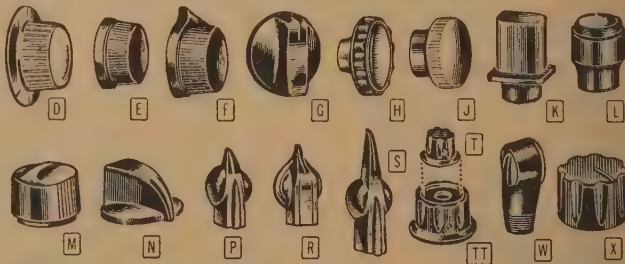
HARRY DAVIES FLUTED KNOBS



Selection of quality fluted knobs. Functionally designed—add custom appearance to Amateur and experimental equipment. Durable, high-gloss bakelite. Have metal inserts with setscrew to fit flatted or round $\frac{1}{8}$ " shafts. 4 oz.

Stock No.	Fig.	Dia.	EACH
47 B 4117	A	1 1/4"	.37
47 B 4119	B	1 1/2"	.41
47 B 4120	A	2 3/8"	.54
47 B 4121	C	1 1/2"	.24
47 B 4123	C	1 1/2"	.29
47 B 4124	D	1 1/2"	.45
47 B 4126	B	2 3/8"	.56

HARRY DAVIES MOLDED KNOBS



Handsomely styled plastic knobs for replacement or original equipment use. Figs. E and F are for small radios. *For knurled shafts; screws onto 8-32 threaded shaft; screws on 6-32 threaded shaft self-locking friction fit for flat wire shafts; all others equipped with setscrews to permit use with either round or flatted $\frac{1}{8}$ " shafts. *Have aluminum insert. **For dual concentric shafts. Av. shpg. wt., 3 oz.

MILLEN MINIATURE KNOBS



Black plastic knobs with brass inserts for $\frac{1}{16}$ " diameter shafts. Developed primarily for use in miniaturized equipment. Type A018, A007 and A019 have screwdriver slot in top. Overall height: A006, $\frac{1}{4}$ "; A007, A018 and A019, $\frac{3}{16}$ ". Av. shpg. wt., 4 oz.

Stock No.	Type	Fig.	Dial Dia.	EA.
47 B 3253	A019	BB	3/16"	.46
47 B 3254	A018	CC	3/16"	.49
47 B 3255	A007	DD	3/16"	.53
47 B 3256	A006	EE	3/16"	.61

Stock No.	Fig.	Size	Color	EACH	Stock No.	Fig.	Size	Color	EACH
47 B 4127	D	1 1/2"	Black	.15	47 B 4172	P	1 1/4"	Black	.10
47 B 4128	D	2 3/8"	Black	.16	47 B 4173	P	1 1/2"	Red	.11
47 B 4136	*E	1 1/2"	Black	.05	47 B 4174	P	1 1/4"	Black	.14
47 B 4134	E	1 1/2"	Black	.09	47 B 4176	S	2"	Black	.17
47 B 4137	E	1"	Black	.13	47 B 4177	S	2"	Red	.18
47 B 4138	F	1 1/2"	Black	.10	47 B 4178	S	2"	Black	.22
47 B 4140	F	1"	Black	.15	47 B 4182	T	3 1/4"	Black	.16
47 B 4141	G	1 1/2"	Black	.13	47 B 4179	T	1 1/2"	Black	.20
47 B 4142	G	1 1/2"	Red	.13	47 B 4181	**T&T	3/4"-1 1/4"	R&B	.43
47 B 4144	H	1 1/2"	Black	.14	47 B 4156	X	1 1/4"	Black	.27
47 B 4145	H	1 1/2"	Black	.20	47 B 4157	Y	3/4"	Black	.22
47 B 4146	I	1 1/2"	Black	.09	47 B 4159	Y	1 1/4"	Red	.46
47 B 4166	K	3/16"-1/2"	Black	.07	47 B 4160	Z	1 1/4"	Black	.32
47 B 4168	L	3/16"-1/2"	Black	.06	47 B 4161	Z	1 1/4"	Red	.34
47 B 4170	M	1"	Black	.13	47 B 4162	AA	2"	Black	.74
47 B 4171	N	3/4"	Black	.12	47 B 4163	AA	2"	Red	.78
47 B 4175	R	1 1/4"	Black	.13	47 B 4184	W	1 1/2"	Black	.20

Dials and Accessories, Knobs, Couplings

NATIONAL CALIBRATED KNOBS

For any equipment. Types R, HRS-3, and HRS-5 are numbered 0-10 over arcs shown in scale column of table below. HRS-4 has single, etched center line. All in 1/4" shafts. HRS types of molded Tenite with chromed bevel dial. Type R of molded bakelite, flat aluminum dial. Av. shpg. wt., 2 oz.



Stock No.	Type No.	Fig.	Color	Scale	Dia.	EACH
47 B 2106	HRS-3	A	Black	0-10; 300°	1 1/4"	.66
47 B 2107	HRS-3	A	Gray	0-10; 300°	1 1/4"	.66
47 B 2125	HRS-4	A	Black	1-line	1 1/4"	.66
47 B 2126	HRS-4	A	Gray	1-line	1 1/4"	.66
47 B 2128	HRS-5	A	Black	0-10; 180°	1 1/4"	.66
47 B 2129	HRS-5	A	Gray	0-10; 180°	1 1/4"	.66
47 B 2136	R	B	Black	0-10; 180°	1 1/4"	.69

NATIONAL HR SERIES KNOBS

A matched line for industrial and consumer use. Made of molded Tenite in a variety of styles and sizes. All knobs in this series share a family resemblance, giving job a unitized appearance.



Stock No.	Type	Fig.	Description	Wt.	EA.
47 B 2180	HRM	E	Satin chrome finish. 3/4" dia.	2 oz.	.91
47 B 2176	HR	F	Black; white dot. 3/4" dia.	2 oz.	.33
47 B 2177	HR	F	Gray; same as above	2 oz.	.33
47 B 2178	HRT	G	Black; chrome insert. 2 1/4" dia.	3 oz.	1.04
47 B 2185	HRT-M	G	Same as above, but 1 1/2" dia.	2 oz.	.58

NATIONAL TYPE MCN VERNIER DIAL

Small vernier dial with 5:1 drive. Perfect for mobile gear and other small units. Mechanism extends 1/4" below frame. Black, wrinkle finish. With 3 black scales, hardware, and hub for 1/4" shafts. Size: 2 1/4" high; 3 1/4" wide. Shpg. wt., 10 oz.



47 B 2171.....7.20

NATIONAL TYPE AVD-250 PLANETARY DIAL-DRIVE

Smooth-operating planetary vernier tuning mech. anism. Provides 5:1 tuning ratio. Output torque is 1-3 inch-pounds. Designed for front-of-panel mounting, has four 3/4" holes on 2 1/2" mounting centers. For use with 1/4" control shafts. Has un-insulated output hub. Overall length, 1 1/4". Shpg. wt., 8 oz.



47 B 2025.....2.63

MILLEN MULTI-SCALE DIALS

C Type 10035. Deluxe illuminated slide-rule dial. Two built-in pilot lights provide even illumination. Has 12 to 1 drive with 4 blank scale for calibration and one 0-100 logging scale. Scale can be used on both sides. Clear plastic dial window. Ample panel space for 2 small controls. 8 1/2" x 6 1/2". Black finish. Shpg. wt., 2 1/2 lbs.



D Type 10039 Midget Panel Dial. Economy model. Drive ratio is 8 to 1. Totally self-contained mechanism eliminates back of panel interference; has 5 blank scales for calibration and one 0-100 logging scale. Black finish. Size, 4x3 1/4". Shpg. wt., 13 oz.

47 B 2242.....7.75

NATIONAL CALIBRATED DIALS

Smooth operating, dependable, and attractive dials for a wide range of equipment. Knobs are black bakelite with dials of nickel-plated brass. 5:1 tuning ratio; have collars to fit 1/4" shafts. "N" Series has vernier scale readout; "AM" Series, dial pointer. *Measured from knob crest to mtg. plate back.



Stock No.	Mfr's Type	Fig.	*Depth	Skirt Style	Scale	Dia.	Wt. Oz.	EA.
47 B 2113	AM-2	H	1 1/4"	Beveled	0-100; 180°	3"	10	5.25
47 B 2150	AM-5	H	1 1/4"	Beveled	200-0; 360°	3"	10	5.25
47 B 2151	AM-6	H	1 1/4"	Beveled	200-0; 270°	3"	10	5.25
47 B 2000	N-2	J	1 1/4"	Flat	0-100; 180°	4"	12	2.68

WALDOM DIAL PLATES

Square. Attractive anodized aluminum dial plates with black scales. Use with 1/4" bar knob. Gives custom look to hi-fi and P.A. amps, preamps, recorders, etc. Size, 2 1/2" x 2 1/2". With 1/2" center hole. Wt., 2 oz.



Stock No.	Type	Description	EACH
47 B 3121	426	Volume, 0-10	.41
47 B 3130	410	No title, 0-10	.41

Round. Etched aluminum scale with black background. 1" dia. Type 25 has clockwise arrow-labeled "Volume." One hole mtg. For amplifiers, modulators, phones, etc. Use with 1/4" bar knobs. 1 1/2" center-hole. 2 oz.



Stock No.	Type	Description	EACH
47 B 3131	25	Volume	.34
47 B 3135	569	0-100, 180°	.34
47 B 3136	905	0-100, 270°	.34

WALDOM SWITCH PLATE

Etched aluminum with black background. 1 1/4" x 1 1/4". Shpg. wt., 2 oz.



47 B 3139.....20

H. H. SMITH FLEXIBLE SHAFTS

Non-rusting phosphor-bronze flexible shafts with 3/4" hubs. Ideal for connecting out-of-line shafts together. Handy accessory for Amateurs, labs, etc. Permit up to 90 degrees angular control. Av. wt., 2 oz.

47 B 4088, Type 161. Length, 3'.....45

47 B 4089, Type 162. Length, 6'.....65

SMITH PANEL BEARING ASSEMBLY

For use with coupling and right on panels up to 7/8" thick mounted away from controls. Brass bearing has hub for knob with 1/4" shaft on other side. Av. shpg. wt., 7 oz.



47 B 4090, Overall length, 3". Pkg. of 2.....66

47 B 4091, Overall length, 6". Pkg. of 2.....1.00

47 B 4092, Bearing only.....Pkg. of 5/75

WALSCO

DIAL CORD SPOOLS

Cords with nylon sleeves over fiberglass or linen cores. Pre-stretched to prevent stretching and slipping; maintain proper tension. Av. wt., 4 oz.



Stock No.	Mfr's Type	Dia.	Strgth. (Lbs.)	Lth. (Ft.)	EA.
47 B 3194	652-Med.	.040"	35	25	.75
47 B 3198	656-Thin	.025"	15	25	.75
47 B 3199	654-Std.	.032"	20	25	.75
47 B 3197	652-Med.	.040"	35	100	2.37
47 B 3195	656-Thin	.025"	15	100	2.37
47 B 3196	654-Std.	.032"	20	100	2.37

SMITH SHAFT FITTINGS



Coupling **Extender**
Couplings for extending shafts, or for ganging single units, even when shafts are not same size. Extenders for decreasing or increasing shaft diameter and for extending shaft length. 1st size is opening: 2nd, shaft dia. Extenders, 3/4" shaft length; overall, 1 1/4". Av. wt., 4 oz. *brass insulated.

Stock No.	Type	Size	EACH
47 B 1105	Coupling*	1/4 to 1/4"	.22
47 B 1108	Extender*	1/4 to 1/4"	.25
47 B 1109	Extender*	3/4 to 1/4"	.35
47 B 1111	Coupling†	1/4 to 1/4"	.20
47 B 1113	Extender†	1/4 to 1/4"	.30

HAMMARLUND COUPLINGS

Type FC-46S. Sturdy, slip-proof insulated flexible coupling. 4 set screws (2 on each side). For 1/4" dia. shafts. Shaft clearance, 3/8". Flange voltage, 5000 V. Size 1 1/4" x 1 1/4". Shpg. wt., 3 oz.

47 B 2403.....1.50

Type FCN-46S. As above, but non-insulated type. Nickel-plated brass ring. 1 1/4" dia. x 1 1/4".

47 B 2404, Shpg. wt., 3 oz.....1.20

ACCURATE ELECTRIC

INSULATED COUPLING

Connects shafts to switches, controls, etc. Bakelite insulation. For 1/4" shaft. With set screws. Shpg. wt., 2 oz.

47 B 2405......53



MILLEN COMPONENTS

FLEXIBLE COUPLINGS

Provide high flexibility, no backlash, high breakdown voltages, small diameter, accurate alignment. 39001 insulated, 39006 slide-action type for eccentric shaft motion. 39005 (high torque) like 39001 but not insulated. 39016 (illus.) molded as single unit to resist shock. All for 1/4" shafts. Shpg. wt., 2 oz.

Stock No.	Type	Description	EA.
47 B 3208	39001	Universal joint	.75
47 B 3212	39005	Universal joint	.75
47 B 3213	39006	Slide action	.75
47 B 3214	39016	Barrier	.75

MINIATURIZED COUPLINGS

For limited space use. Type M006 (illus.) is universal joint style made of nickel-plated brass with steatite ceramic insulation and spring fingers. Type 39003 is solid brass for 1/4" shafts; M006 and M008 for 1/8" shafts. Av. shpg. wt., 2 oz.



Stock No.	Type	Description	EA.
47 B 3205	M006	Univ. joint coupling	1.05
47 B 3206	M008	Ineul. brass insert	.60
47 B 3207	39003	Solid brass coupling	.30

TYPE 10000 WORM DRIVE

Offers 16-to-1 step-down ratio. Rugged cast aluminum frame is drilled for secure mounting on panel or chassis base. Spring-loaded split gears for smooth action. 1 1/2" x 1 1/2" x 1 1/2" hand shafts. 3x2x2 1/2". Wt. 6 oz.

47 B 3216.....15.40



NATIONAL FRONT-PANEL

RIGHT-ANGLE DRIVE

Type RAD. Front panel control for variable capacitors, potentiometers, etc., at right angles to panel. Saves space by permitting greater freedom in parts layout. May be used to drive two units. Die-cast aluminum housing and gears. 2 1/2" x 1 1/2" x 1 1/2". Shpg. wt., 6 oz.

47 B 2173.....4.31





HOLDS AND INSULATES COMPONENTS

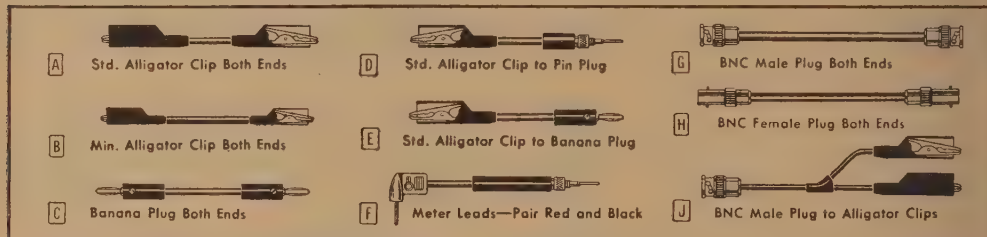
RICHCO PLASTIC COMPONENT CLIPS

High-dielectric vinyl clips designed to hold and provide insulation for capacitors, resistors, batteries, fuses. Available in six sizes for components with diameters from 1/4" to 1". Types V-1000 to V-1005

Stock No.	Mfr's Type	Dia.*	PER PKG. OF 10
47 B 5223	V-1000	1/4"	.29
47 B 5225	V-1002	3/8"	.30
47 B 5227	V-1004	1"	.31

have one 3/8" mounting hole: Type V-1008 has one 3/8" hole; Type V-1010 has two 3/8" holes, 3/8" apart. All are 1/2" long except V-1010, 1 1/2". *In table refers to diameter of part being held. Wt., 3 oz.

Stock No.	Mfr's Type	Dia.*	PER PKG. OF 10
47 B 5228	V-1005	9/16"	.31
47 B 5231	V-1008	3/8"	.36
47 B 5233	V-1010	1"	.43



H. H. SMITH SHIELDED AND UNSHIELDED TEST LEADS

Provide firm mechanical and electrical contact. Feature No. 18 AWG 20,000 volt insulated wire that is extra-flexible and kinkless. Handles are of molded tenite, and/or molded bakelite. Cadmium-plated steel clips.

Nickel-plated brass tips. Vinyl plastic boots. Shielded cable types use RG-58C/U coaxial cable, except †low-cap. cable. †Pair, red and black #20 wire, 5 kv. Av. wt., 5 oz.

UNSHIELDED TEST LEADS

Stk. No.	Type	Ft.	Color	Fig.	E.A.	Stk. No.	Type	Ft.	Color	Fig.	E.A.
47 B 1851	1596-12-102	1	Red	A	.40	47 B 1864	1597-36-103	3	Black	B	.48
47 B 1850	1596-12-103	1	Black	A	.40	47 B 1867	1597-60-102	3	Black	B	.55
47 B 1856	1596-36-102	3	Red	A	.48	47 B 1866	1597-60-103	5	Black	B	.55
47 B 1855	1596-36-103	3	Black	A	.48	47 B 1901	1863-12-102	1	Red	C	.60
47 B 1861	1596-60-102	5	Red	A	.55	47 B 1874	1863-12-103	1	Black	C	.60
47 B 1860	1596-60-103	5	Black	A	.55	47 B 1904	1863-36-102	3	Red	C	.70
47 B 1863	1597-12-102	1	Red	B	.40	47 B 1903	1863-36-103	3	Black	C	.70
47 B 1862	1597-12-103	1	Black	B	.40	47 B 1905	1863-60-102	5	Red	C	.80
47 B 1865	1597-36-102	3	Red	B	.48	47 B 1908	1863-60-103	5	Black	C	.80

COAXIAL-CABLE SHIELDED TEST LEADS

47 B 1969	1589-12	1	Black	G	4.00	47 B 1979	1869-36	3	Black	H	4.00
47 B 1973	1589-36	3	Black	G	4.25	47 B 1980	1869-60	5	Black	H	4.25
47 B 1974	1589-60	5	Black	G	4.55	47 B 1986	†1537-12	1	Gray	J	3.75

47 B 1987	†1537-36	3	Gray	J	4.08
47 B 1990	†1537-60	5	Gray	J	4.30

H. H. SMITH TEST PRODS



K Type 302 Solderless Test Prod. Threaded prod with 4" long plastic handle, 3/8" outer diameter. Nickel-plated phone tip. Wire fits through handle and body of plug, wraps around screw portion—secured by knurled collar. Shpg. wt., 4 oz.
47 B 2110, Red. 47 B 2111, Black. Each .30

K Type 323 Solderless Fiber Test Prod. Has 4" bone fiber handle with extra large 1/4" inside diameter for heavy-duty wire. Body is nickel-plated brass. Wire fits through handle and body of plug, wraps around screw portion. Secured by knurled collar. Wt., 4 oz.
47 B 2258, Red. 47 B 2259, Black. Each .30

L Type 317 Phono Needle Test Prod. Brass, nickel-plated body with steel, nickel-plated phono-type needle. Has removable chuck for replacing broken needles. Needle pierces plating or corrosion to insure positive readings. Plastic handle 4 3/8" long overall, 3/8" O.D. Wt., 4 oz.
47 B 2373, Red. 47 B 2374, Black. Each .30

M Type 319 Heavy-Duty Test Prod. Threaded type with extra-sturdy brass, nickel-plated tip. Molded plastic handle, overall length 5 1/2" long, 3/4" outer dia. Fits standard phone tip jacks. Shpg. wt., 3 oz.
47 B 2375, Red. 47 B 2376, Black. Each .30

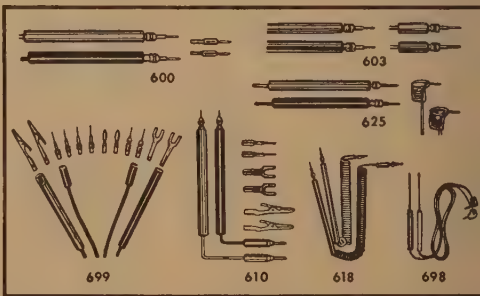
N Type 363 Short Tip Jack. Threaded type with brass, nickel-plated phone tip. Tip inserts flush in 4" long, 3/4" diameter insulated molded handle. Reduces possibility of shock or grounding. Shpg. wt., 3 oz.
47 B 2224, Red. 47 B 2224, Black. Each .21

H. H. SMITH ALLIGATOR TEST LEADS

Cadmium-plated steel clips. Have vinyl plastic boots. *Have midjet clips. Av. shpg. wt., 4 oz.

Stock No.	Type	Wire Lgth.	PER PAIR
47 B 4383	629	12"	.81
47 B 4384	657	22"	.87
47 B 4385	716*	12"	.81
47 B 4386	717*	18"	.84
47 B 4387	718*	24"	.87

H. H. SMITH TEST LEADS AND TEST LEAD KITS



Unless otherwise indicated, leads have 50' red and black kinkless, rubber-covered wire; butyrate prod handles (one red, one black) 4" long; 3/8" outer dia. Brass phone tips, nickel plated.

Type 600, Solderless phone tips, meter end; phone tips on prod.

47 B 4359, Shpg. wt., 4 oz. Per Pair .87

Type 603 All-Solderless. Red and black plugs, meter end. Solderless phone tips both ends. Shpg. wt., 3 oz.

47 B 4375. Per Pair 1.26

Type 610 Test-Lead Kit. Test leads with solderless phone tips on prods, banana plugs meter end. Tenite handles. Phone tips, Alligator clips, spade lugs that snap on banana plugs. Shpg. wt., 4 oz.

47 B 4395. 1.80

Type 618 Stretch. 12" coil extends to 6'. Tenite handles. Phone tips both ends. Shpg. wt., 6 oz.

47 B 4398. Per Pair 2.95

Type 626 Meter Leads. Solderless phone tips. Red and black elbows, right-angle phone tips. Shpg. wt., 3 oz.

47 B 4371. Per Pair 1.35

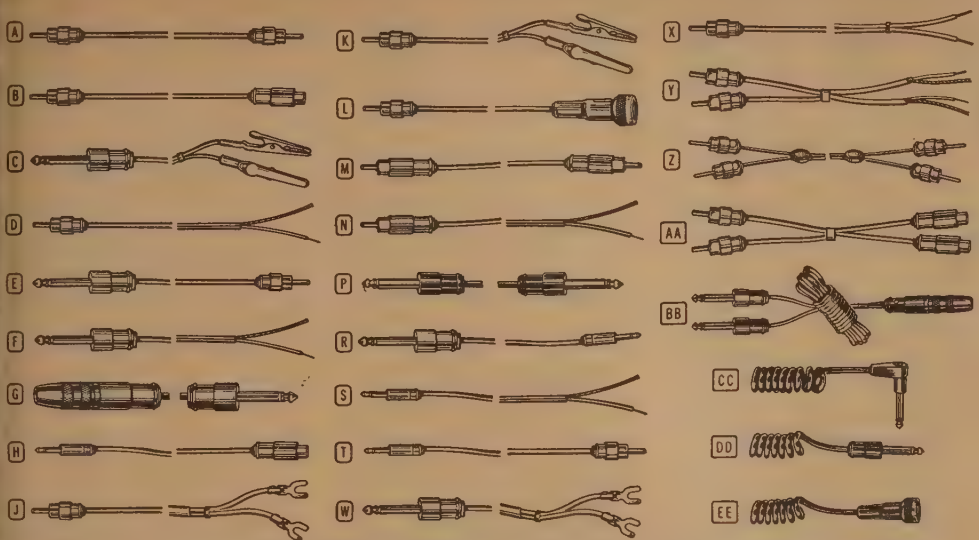
Type 698 Silm-Jlm. 3 1/2" cadmium-plated steel probes. Vinyl spaghetti insulator. Red & black plastic elbows with phone tips.

47 B 4378, Shpg. wt., 4 oz. Per Pair 1.14

Type 699 Universal Kit. 54 1/2" leads, 4 phone tips, 2 alligator clips, 2 needle tips, 2 banana plugs, 2 space lugs. In plastic kit.

47 B 4376, Shpg. wt., 5 oz. 3.00

Switchcraft Audio Connectors and Molded Cables



AUDIO CONNECTORS AND MOLDED CABLE ASSEMBLIES

Feature highest quality wire, soldered connections. Plugs are molded directly to various cable combinations . . . ensures protection against moisture, minimizes noise, virtually eliminates short-circuits, and provides positive electrical connections. Built-in cable clamps support cable and eliminate strain on plugs. Plugs and jacks are molded of unbreakable Tenite for long-life and rugged use. In table below, standard phone plugs have $\frac{1}{4}$ " diameter sleeve; handles designed to "mate" with jacks even when jacks are recessed below panel surface. Tiny plugs (Series 40DF, DK, and DN) are $\frac{1}{8}$ " standard size to be used with late-model recording

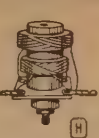
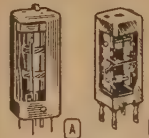
equipment, pocket radios, etc. Series 25FF, FK, and FN are special stereo cable assemblies providing two completely isolated channels, with color-coded insulated cables inside a chrome gray plastic jacket, separate plugs for easy connections regardless of jack spacing. Type 05FH81 (Fig. BB) adapts 3-cond. plugs on stereo headphones to 2 separate 2-cond. jacks used on most stereo recorders. Wires are shielded or unshielded as indicated. Av. ship. wt., 6 oz.

Stock No.	Mfr's Type	Fig.	Feet	Description	EACH
47 B 1509	25AC25	A	1 1/2	Straight Phone Plug	.69
47 B 1510	25AF25	A	3	at each end of Gray	.78
47 B 1512	25AK25	A	6	Shielded Cable.	.99
47 B 1538	25AN25	A	10		1.32
47 B 1541	25AF82	B	3	Straight Phone Plug to	.90
47 B 1542	25AK82	B	6	Phone Extension Jack;	1.17
47 B 1543	25AN82	B	10	Gray Shielded Cable.	1.32
47 B 1578	05CK86	C	6	Straight Phone Plug to	1.26
47 B 1544	05CN86	C	10	Alligator Clips; Gray	1.59
47 B 1547	05CT86	C	20	Parallel Cable; Unshielded	1.98
47 B 1548	25AF84	D	3	Straight Phone Plug to	.63
47 B 1549	25AK84	D	6	Stripped and Tinned Ends;	.75
47 B 1550	25AN84	D	10	Gray Shielded Cable.	1.08
47 B 1551	05AK25	E	6	Straight Phone Plug to	1.32
47 B 1552	05AN25	E	10	Straight Phone Plug to	1.80
47 B 1570	05AR25	E	15	Gray Shielded Cable.	1.98
47 B 1600	05AK84	F	6	Straight Phone Plug to	1.17
47 B 1601	05AN84	F	10	Stripped and Tinned	1.50
47 B 1602	05AR84	F	15	Ends; Gray Shielded Cable.	1.80
47 B 1596	10BK81	G	6	Straight 3-Cond. Phone	3.18
47 B 1597	10BN81	G	10	Plug to Straight 3-Cond.	3.96
47 B 1598	10BU81	G	15	Extension Jack. Gray	5.79
				Shielded Cable.	
47 B 1605	05AK80	G	6	Straight 2-Cond. Phone	1.71
47 B 1615	05AN80	G	10	Plug to Straight 2-Cond.	2.31
47 B 1620	05AR80	G	15	Extension Jack. Gray	2.64
				Shielded Cable.	
47 B 1622	40DF82	H	3	Straight Tiny Plug to	1.32
47 B 1623	40KH82	H	6	Phone Extension Jack; 2-	1.65
47 B 1624	40DN82	H	10	Cond. Shielded Cable.	1.77
47 B 1626	25CN85	J	10	Straight Phone Plug to	.99
47 B 1726	25CT85	J	20	Spade Lugs; Gray Parallel	1.29
				Cable; Unshielded.	
47 B 2443	25CK86	K	6	Straight Phone Plug to	1.17
47 B 1627	25CN86	K	10	Alligator Clips; Gray	1.50
47 B 1628	25CT86	K	25	Parallel Cable; Unshielded.	1.71
47 B 1629	25AK87	L	6	Straight Phone Plug to	1.62
				Microphone Conn. 2501F;	
				Gray Shielded Cable.	
47 B 1631	26AR26	M	15	Straight Phone Plug with	1.71
				Long Handle on Each End;	
				Gray Shielded Cable.	
47 B 1632	26AR84	N	15	Straight Phone Plug to	1.50
				Stripped and Tinned Ends;	
				Gray Shielded Cable.	
47 B 1638	05AK05	P	6	Straight 2-Cond. Phone	1.71
47 B 1639	05AN05	P	10	Plug at Each End; Gray	2.31
47 B 1727	05AU05	P	25	Shielded Cable.	3.06
47 B 1593	10BK10	P	6	Straight 3-Cond. Phone	3.18
47 B 1594	10BN10	P	10	Plug at Each End; Gray	3.96
47 B 1595	10BU10	P	25	Shielded Cable.	5.97

Stock No.	Mfr's Type	Fig.	Feet	Description	EACH
47 B 1634	40DF05	R	3	Straight Tiny Plug to	1.50
47 B 1637	40DK05	R	6	Straight Phone Plug; 2-	1.80
47 B 1639	40DN05	R	10	Cond. Shielded Cable.	2.00
47 B 1645	40DF84	S	3	Straight Tiny Plug to	1.17
47 B 1646	40DK84	S	6	Stripped and Tinned Ends;	1.32
47 B 1647	40DN84	S	10	2-Cond. Shielded Cable.	1.65
47 B 1648	40DF25	T	3	Straight Tiny Plug to	1.38
47 B 1655	40DK25	T	6	Straight Phone Plug; 2-	1.65
47 B 1675	40DN25	T	10	Cond. Shielded Cable.	1.95
47 B 1683	05CT85	W	20	Straight Phone Plug to	1.56
				Spade Lugs; Gray Parallel	
				Cable, Unshielded.	
47 B 1685	25CN84	X	10	Straight Phone Plug to	.93
47 B 1728	25CT84	X	20	Stripped and Tinned Ends;	1.20
				Parallel Cable; Unshielded.	
47 B 1497	25FF84	Y	3	Two Straight Phone Plugs	1.92
47 B 1498	25FK84	Y	6	on One End to Stripped	2.49
47 B 1499	25FN84	Y	10	and Tinned Leads; Gray	2.49
				Shielded Stereo Cable.	
47 B 1494	25FF25	Z	3	Two Straight Phone Plugs	2.16
47 B 1495	25FK25	Z	6	at Each End; Gray Shield-	2.49
47 B 1496	25FN25	Z	10	ed Stereo Cable.	2.97
47 B 1723	25FF82	AA	3	Two Straight Phone Plugs	2.13
47 B 1724	25FK82	AA	6	on 1 End to Two Straight	2.43
47 B 1725	25FN82	AA	10	Phone Extens. Jacks; Gray	2.85
				Shielded Stereo Cable.	
47 B 1531	05FH81	BB	4	Two 2-Cond. Phone Plugs	2.88
47 B 2445	25FH81	BB	4	on One End to 3-Cond.	2.34
				Phone Extension Jack.	
				Shielded Gray Stereo Ca-	
				ble. Color-Coded.	
47 B 1505	15LH84	CC	4	Right Angle Phone Plug to	2.16
				Stripped and Tinned Ends;	
				Shielded Coiled Cord.	
47 B 1504	05LH84	DD	4	Straight Phone Plug to	2.16
				Stripped and Tinned Ends;	
				Shielded Coiled Cord.	
47 B 1506	87LH84	EE	4	Type 2501F Connector to	2.22
				Stripped and Tinned Ends;	
				Shielded Coiled Cord.	
47 B 1532	05LP05	DD/DD	12	Straight Phone Plug at	4.95
47 B 1535	05LT05	DD/DD	20	Each End. Shielded Coiled	6.93
				Cord.	
47 B 1533	05LP15	DD/CC	12	Straight Phone Plug to	4.95
47 B 1536	05LT15	DD/CC	20	Right Angle Phone Plug;	6.93
				Shielded Coiled Cord.	
47 B 1534	05LP87	DD/EE	12	Straight Phone Plug to	5.04
47 B 1537	05LT87	DD/EE	20	Type 2501F Connector;	7.02
				Shielded Coiled Cord.	

J. W. Miller Components

RF COILS AND IF TRANSFORMERS



IRON-CORE IF TRANSFORMERS

A Intermediate-Frequency transformers with a core of high-quality powdered iron material for use in radio receivers. Core gives the transformer better gain and selectivity than that obtainable in similarly constructed air core types. $1\frac{1}{2}$ " square x $3\frac{1}{4}$ " high. 6-32 spade bolt mounting. Av. shpg. wt., 4 oz.

Stock No.	Type	kHz	Use	EACH
54 B 0711	612-H1	262	Input	2.31
54 B 0712	612-H2	262	Interstage	2.31
54 B 0713	612-H3	262	Full-Wave	2.31
54 B 0714	612-H4	262	Half-Wave	2.31
54 B 0715	612-C1	455	Input	2.31
54 B 0720	612-W2	455	Interstage	2.31
54 B 0721	612-C3	455	Full-Wave	2.31
54 B 0722	612-C4	455	Half-Wave	2.31
54 B 0723	612-W1	1500	Input	2.31
54 B 0724	612-W2	1500	Interstage	2.31
54 B 0725	612-W3	1500	Full-Wave	2.31
54 B 0726	612-W4	1500	Half-Wave	2.31

MINIATURE IF PRINTED-CIRCUIT TRANSFORMERS

B For replacement and experimental use in receivers. Shell-core, permeability tuned. Tune from top and bottom of shield. $\frac{3}{4}$ " sq. x 2". Supplied complete with mounting hardware. Av. shpg. wt., 4 oz.

Stock No.	Mfr's Type	Freq.	Use	E.A.
54 B 1359	13-PC1	455 kHz	IF Input	1.65
54 B 1360	13-PC2	455 kHz	IF Output	1.65
54 B 1364	13-PC3	455 kHz	Input (AC-DC)	1.65
54 B 1365	13-PC10	455 kHz	Output (AC-DC)	1.65
54 B 1712	1463-PC	10.7 MHz	Input or Inter.	1.95

"MINI MINIMATURE" TRANSISTOR IF TRANSFORMERS (455 kHz)

D Only $\frac{1}{2}$ " high by $\frac{1}{4}$ " sq. Same type of threaded tuning as microminiatures, above. For use with RCA 2N218 and 2N219 or 2N139 and 2N140 transistors. *Type 2065 matching oscillator requires tuning capacitor from 78 to 110 pF max. Av. shpg. wt., 3 oz.

Stock No.	Mfr's Type	Impedance	Use	E.A.
54 B 2484	2066	50K-800 ohms	Input	2.10
54 B 2485	2067	30K-500 ohms	Interstage	2.10
54 B 2486	2068	20K-5K ohms	Output	2.10
54 B 2488	2065	Matching Oscillator*	2.10	

MINIATURE "J-TRAN" TOP-TUNED IF TRANSFORMERS

F Units have hollow hexagonal-hole cores for either double or single-ended tuning. Mount by snap fasteners. $\frac{1}{2}$ "x $\frac{1}{2}$ "x $\frac{1}{2}$ ". Av. shpg. wt., 4 oz.

Stock No.	Mfr's Type	Freq.	Use	E.A.
54 B 1954	14-C1	455 kHz	IF Input	1.65
54 B 1955	14-C2	455 kHz	IF Output	1.65
54 B 2467	14-C3	455 kHz	Input (AC-DC)	1.65
54 B 2468	14-C4	455 kHz	Output (AC-DC)	1.65
54 B 2469	8270	4.5 MHz	Input or Inter.	1.80

HORIZONTAL OSCILLATOR AND SYNC-STABILIZER COIL

Type 6183. (Not Illus.) Permeability tuned coil features dual windings for sync frequency and phase circuit. Has aluminum shield with 6-32 spade bolt mounting. Coil may be reversed in shield for top or bottom mounting. $1\frac{1}{2}$ "x $1\frac{1}{2}$ "x $\frac{1}{2}$ ". Shpg. wt., 5 oz.

54 B 1089..... 2.25

TRANSISTOR OSCILLATOR COILS

G Type 2020. Use in one-transistor osc. circuit. For .365 μ F capacitor, 455 kHz IF. $\frac{1}{2}$ "x $1\frac{1}{2}$ "x $\frac{1}{2}$ ". Shpg. wt., 3 oz.

54 B 0895..... 1.65

Type 2022. Similar to above, except for use with variable capacitor 78-100 μ F, maximum. Shpg. wt., 3 oz.

54 B 0974..... 1.65

MIDGET OSCILLATOR COIL

Type 5408C. Use with pentagrid converter tubes; general replacement. When used with 365- μ F variable capacitor, covers 540-1600 kHz. IF frequency, 455 kHz. For use unshielded. See Fig. 1. $\frac{1}{2}$ "x $\frac{1}{2}$ "x $\frac{1}{2}$ ". Shpg. wt., 1.29

54 B 0743..... 1.29

CAPACITY-OPERATED RELAY COIL

Type 695. For alarm systems, window displays and other capacity-operated devices. Consists of center-tap and oscillator winding; adjustable core coupling capacitor; RF choke on bakelite form. $\frac{1}{2}$ "x $2\frac{1}{2}$ "x $\frac{1}{2}$ ". With wiring diagram. Shpg. wt., 4 oz.

54 B 1057..... 2.37

SYNC STABILIZER (RINGING) COIL

J Type 8210. Has bakelite form with $\frac{3}{4}$ " mounting clip. 16-42 mH range. Size $\frac{3}{4}$ "x $2\frac{1}{2}$ "x $\frac{1}{2}$ ". Shpg. wt., 2 oz.

54 B 1092..... 1.65

HORIZONTAL LINEARITY AND WIDTH CONTROLS

J Iron-core variable inductance coils for horizontal sweep circuits. Permit adjustments over a wide inductance range to obtain the proper match for best operating characteristics. *Has AGC winding. Mounting clip fits $\frac{3}{4}$ " hole; $\frac{3}{4}$ " hole with adapter supplied. Size, $\frac{3}{4}$ "x $2\frac{1}{2}$ "x $\frac{1}{2}$ " long (maximum) on phenolic forms. Shpg. wt., 4 oz.

Stock No.	Mfr's Type	Millihenries Range	E.A.
54 B 1093	6313	5-5	1.32
54 B 1094	6314	2.0-18	1.32
54 B 1095	6315	4.0-30	1.32
54 B 1098	6319	15.0-60	1.65
54 B 0049	6330	45-215	1.80
54 B 0051	6195	185-1	1.08
54 B 0052	6196	.034-.245	.96

HIGH-VOLTAGE RF POWER SUPPLY TRANSFORMERS

K Type 4525. RF power supply transformer for use in TV receivers, cathode ray oscilloscopes, etc. Provides voltage up to 5000 VDC. Size, $1\frac{1}{4}$ " dia. x $3\frac{1}{4}$ " high. Shpg. wt., 4 oz.

54 B 1101..... 6.00

Type 4526. Provides voltage up to 10,000 VDC (30,000 when used in a voltage rectifier-triplier circuit). Size, $2\frac{1}{4}$ " diameter x 6" high. Shpg. wt., 4 oz.

54 B 1102..... 9.00

VIDEO PEAKING COILS

L Engineered to assure proper bandwidth and video wave shape video signals. Highly recommended for replacement service. All coils listed in table are wound directly on plastic forms. Feature solid wire leads for fast, easy connection in circuit. Size, $\frac{3}{4}$ " diameter by $\frac{1}{2}$ " long. Av. shpg. wt., 2 oz.

Stock No.	Mfr's Type	μ H	EACH
54 B 0700	6152	20	.63
54 B 0701	6176	36	.63
54 B 0702	6112	100	.63
54 B 1116	6153	120	.63
54 B 0704	6180	180	.63
54 B 0705	6181	250	.63
54 B 0706	6130	275	.63
54 B 0707	6155	300	.63
54 B 0708	6136	420	.63
54 B 0709	6150	500	.63
54 B 0710	6156	800	.63

VERTICAL-MOUNTING PRINTED CIRCUIT COILS

M "Velvetork" adjustable RF coils. Can be adjusted from either end of coil form. *RFC supply omitted from Type No. 1. Maximum inductance at minimum core position. Forms are $\frac{3}{4}$ " dia. x $\frac{1}{2}$ " long. Av. shpg. wt., 3 oz.

Stock No.	Type	Ind.	Q Min.	Test Freq.	EACH
54 B 0755	107	.095	77	25.0 MHz	.99
54 B 0756	227	.185	88	25.0 MHz	.99
54 B 0757	337	.285	88	25.0 MHz	.99
54 B 0758	827	.640	101	25.0 MHz	.99
54 B 0759	105	.760	98	25.0 MHz	.99
54 B 0760	156	1.20	65	7.9 MHz	.99
54 B 0761	336	2.40	64	7.9 MHz	1.08
54 B 0762	686	4.60	64	7.9 MHz	1.08
54 B 0763	155	10.0	58	7.5 MHz	1.17
54 B 0764	225	14.8	61	7.5 MHz	1.17
54 B 0765	475	31.0	58	7.5 MHz	1.17
54 B 0766	685	43.5	56	7.5 MHz	1.17
54 B 0767	825	61.0	48	7.5 MHz	1.17
54 B 0768	224	160.0	63	79.0 kHz	1.17
54 B 0769	824	360.0	68	79.0 kHz	1.17
54 B 0770	824	760.0	64	79.0 kHz	1.26
54 B 0771	223	1.60	39	250.0 kHz	1.26
54 B 0772	473	3.40	42	250.0 kHz	1.26
54 B 0773	823	7.40	47	250.0 kHz	1.26
54 B 0774	222	12.10	20	78.0 kHz	1.32
54 B 0775	472	27.50	38	79.0 kHz	1.32
54 B 0776	822	50.00	34	79.0 kHz	1.32
54 B 0777	101	62.00	35	79.0 kHz	1.32

AIR-CORE TRANSFORMERS

A Provide excellent stability, moderate gain. Suitable for single or two-stage amplifiers. Low temperature-capacity drift. $1\frac{1}{4}$ " sq. x $2\frac{1}{2}$ " high. 6-32 mounting. Shpg. wt., 4 oz.

Stock No.	Type	kHz	Use	EACH
54 B 0735	512-H1	262	Input	2.25
54 B 0736	512-H2	262	Interstage	2.25
54 B 0741	512-H3	262	Full-Wave	2.25
54 B 0742	512-H4	262	Half-Wave	2.25
54 B 0744	512-C1	455	Input	2.25
54 B 0745	512-C2	455	Interstage	2.25
54 B 0746	512-C3	455	Full-Wave	2.25
54 B 0747	512-C4	455	Half-Wave	2.25
54 B 0750	512-W1	1500	Input	2.25
54 B 0751	512-W2	1500	Interstage	2.25
54 B 0753	512-W3	1500	Full-Wave	2.25
54 B 0754	512-W4	1500	Half-Wave	2.25

MINIATURE IF TRANSFORMERS

B Shell-core, permeability-tuned IF transformers. Tunable powdered-iron cores. *Built-in diode filter capacitor. $\frac{3}{4}$ " sq. x 2". With mounting hardware. Av. shpg. wt., 4 oz.

Stock No.	Type	Freq.	Use	EACH
54 B 0727	12-C1	455 kHz	IF Input	1.62
54 B 0728	12-C2	455 kHz	IF Output	1.62
54 B 0787	12-C6	455 kHz	IF Output*	1.71
54 B 0718	12-C8	455 kHz	Input (AC-DC)	1.62
54 B 0719	12-C10	455 kHz	Output (AC-DC)	1.62
54 B 1317	12-C12	455 kHz	Tapped Pri.	1.95
54 B 1320	12-C15	455 kHz	Oscillator	2.70
54 B 0729	12-H1	262 kHz	IF Input	1.74
54 B 0731	12-H2	262 kHz	IF Input	1.74
54 B 0788	12-H6	262 kHz	IF Output*	1.80
54 B 1321	13-W1	1500 kHz	Input or Inter.	1.65
54 B 1322	13-W2	1500 kHz	Input or Inter.	1.65
54 B 0732	1463	107 mHz	Input or Inter.	1.95
54 B 0733	1464	107 mHz	Discriminator	2.25
54 B 1323	1464-WB	107 mHz	Discriminator	2.40
54 B 0734	1465	107 mHz	Ratio Detect.	2.34
54 B 1324	1465-WB	107 mHz	Ratio Detect.	2.34
54 B 0789	6203	4.5 mHz	Input or Inter.	1.98
54 B 0790	6204	4.5 mHz	Discriminator	2.25
54 B 0791	6205	4.5 mHz	Ratio Detect.	2.25

10.7-MHz TRANSFORMERS FOR TRANSISTOR CIRCUITS

C Subminiature Style. IF and ratio detector transformers. IF transformers are $\frac{1}{4}$ " high. $1\frac{1}{2}$ " sq.; ratio detector, $\frac{1}{2}$ "x $\frac{1}{2}$ "x $\frac{1}{2}$ ". With mounting hardware. Av. shpg. wt., 2 oz.

Stock No.	Type	Use	E.A.
54 B 0025	2070	1st IF Input	2.25
54 B 0028	2071	2nd IF Interstage	2.25
54 B 0029	2072	3rd IF Interstage	2.25
54 B 0038	2073	Ratio Detector	2.70

455-KHz IF TRANSFORMERS FOR TRANSISTOR CIRCUITS

E Miniature Style. Hi-Z tapped primary winding coupled to low-Z secondary. $\frac{3}{4}$ " high by $\frac{1}{2}$ " sq. *For use with 200 pF capacitor. Shpg. wt., 3 oz.

Stock No.	Type	Ohms	Use	EACH
54 B 0002	2031	10K-60K	Input	2.52
54 B 0003	2032	10K-100K	Output	2.52
54 B 0896	2041	25K-60K	Input	2.52
54 B 0973	2042	25K-100K	Output	2.52

RF Chokes, Adjustable Coils and Coil Winder

J. W. MILLER COILS AND CHOKES

ADJUSTABLE CERAMIC RF COILS

licone-impregnated ceramic rms. Powdered iron cores. mtg. hardware. Standard: Form size, $\frac{3}{16}$ " diameter d $\frac{1}{16}$ " long; for $\frac{1}{4}$ " hole, inature: $\frac{1}{16}$ " x $\frac{1}{16}$ " for $\frac{3}{16}$ " dia. Subminiature: $\frac{1}{16}$ " x $\frac{1}{16}$ " x $\frac{1}{16}$ " mtg. hole, Wt., 2 oz.



STANDARD

Stock No.	Mfr's Type	Min. μ H	Max. μ H	EACH
4 B 0982	4400-2	Form only	1.32	
4 B 0983	4403	0.9	1.6	1.62
4 B 0984	4404	1.5	3.2	1.62
4 B 0985	4405	3.2	6.8	1.68
4 B 0986	4406	6.7	15	1.74
4 B 0987	4407	14.8	31	1.80
4 B 0988	4408	30	69	1.83
4 B 0989	4409	68	130	1.89
4 B 0990	4410	126	250	1.92
4 B 0991	4411	245	475	1.95
4 B 0992	4412	450	800	1.98
4 B 0993	4413	750	1400	2.01
4 B 0778	4414	1.40	2.0	2.01

MINIATURE

4 B 0870	4500-2	Form only	1.17
4 B 0779	4501	.44	1.50
4 B 0871	4502	1.0	1.50
4 B 0872	4503	1.6	1.56
4 B 0873	4504	2.8	1.59
4 B 0874	4505	5	1.65
4 B 0875	4506	9	1.71
4 B 0876	4507	16	1.77
4 B 0877	4508	24	1.80
4 B 0878	4509	35	1.83
4 B 0879	4510	60	1.86
4 B 0880	4512	110	1.89
4 B 0881	4513	190	1.92
4 B 0780	4514	350	1.95
4 B 0781	4514-1	528.0	2.01

PRE-PACKAGED AND PRE-TUNED 455-KHZ IF STRIP



Complete 455-kHz IF strip simplifies construction of many projects. Offers excellent gain (55 db) and selectivity (6 dB down at 8 kHz). Consists of a Miller Type 8901 Input Matching Transformer and 8902 IF Strip mounted on the board. Total of 21 components on PC board, including mechanical filter, two transistorized amplifiers and diode detector that can drive earphones. No alignment required. Size, $\frac{1}{2}$ x $\frac{1}{2}$ x $\frac{1}{2}$ ". Shpg. wt., 3 oz.

54 B 0099 \$5.75

HIGH "Q" BROADCAST RF COILS

High-efficiency, unshielded, iron-core coils. Adjustable core. Range indicated obtained using 365 μ uF variable capacitor. Mount in $\frac{1}{4}$ " hole. *Padder values shown for 455 kHz IF. Size: $\frac{3}{16}$ x $\frac{1}{2}$ ". Shpg. wt., 4 oz.

Stock No.	Mfr's Type	Use	kHz Range	EACH
54 B 4398	A-5495-A	Antenna	550-1700	1.80
54 B 4399	A-5495-RF	RF	550-1700	1.80
54 B 4400	A-5495-C	Std. Osc.	*400 μ uF	1.80
54 B 4401	A-5496-C	Std. Tap Osc.	*400 μ uF	1.80

MOISTURE-RESISTANT RF CHOKES

Single layer or 3-pl unshielded winding insures low distributed capacity. Low-loss molded phenolic or powdered iron cores. Impregnated with moisture and fungus-resistant varnish. Operate into UHF range. Inductance tolerance $\pm 20\%$. $1\frac{1}{2}$ " leads. Phenolic form, $\frac{1}{4}$ x $\frac{1}{2}$ " dia. Iron core, $\frac{3}{16}$ x $\frac{1}{2}$ " dia. Av. wt., 2 oz.



PHENOLIC FORM—SINGLE LAYER

Stock No.	Mfr's Type	μ H	Q	Min. F (MHz)	E.A.
54 B 2943	4580	10	56	392	.51
54 B 2944	4582	15	64	348	.51
54 B 2961	4584	22	76	320	.51
54 B 3823	4586	33	80	295	.51
54 B 3824	4588	47	83	250	.51
54 B 3825	4590	68	90	218	.51
54 B 3826	4592	75	92	214	.51
54 B 3827	4594	84	89	206	.51
54 B 3828	4602	100	46	186	.51
54 B 3829	4604	150	49	156	.51
54 B 3830	4606	240	50	123	.51
54 B 3831	4608	300	56	94	.51
54 B 3833	4609	550	56	82	.51
54 B 3834	4610	620	53	77	.54
54 B 3835	4611	820	35	68	.54
54 B 3836	4612	1000	35	61	.54

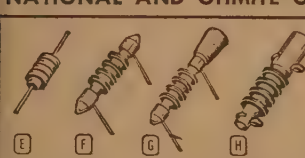
IRON-CORE FORM—SINGLE LAYER

Stock No.	Mfr's Type	μ H	Q	Min. F (MHz)	E.A.
54 B 3837	4622	100	56	39	.60
54 B 3838	4624	150	46	30	.60
54 B 3839	4626	240	40	25	.63
54 B 3840	4628	390	74	20	.63
54 B 3841	4629	550	71	71	.66
54 B 3842	4630	620	69	16	.66
54 B 3843	4631	820	72	15	.66
54 B 3844	4632	1000	64	12	.66

PHENOLIC FORM—3-SECTION

Stock No.	Mfr's Type	μ H	Q	Min. F (MHz)	E.A.
54 B 3845	4642	100	51	8.8	.66
54 B 3846	4644	150	40	6.8	.66
54 B 3850	4646	240	52	6.0	.66
54 B 3851	4648	390	56	4.7	.72
54 B 3853	4649	550	52	3.7	.72
54 B 3854	4650	620	56	3.6	.72
54 B 3855	4651	750	51	2.5	.72
54 B 3856	4652	1000	52	2.5	.72

NATIONAL AND OHMITE GENERAL-PURPOSE RF CHOKES



R-175A for transmitters with plate supply up to 3000 volts modulated or 4000 volts unmodulated. For all bands from 80 through 6 meters. R-154U for 20 to 80-meter transmitters. R-33 types have 2 sections; R-50 types, 3 or 4 sections. *Vertical mtg. †Microhenries. 2 oz.

NATIONAL CHOKES

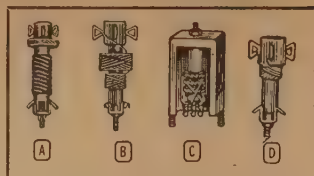
Stock No.	Type	Fig.	mH	mA	Ohms	E.A.
54 B 1115	R-33	J	111	350	1.8	.36
54 B 1116	R-33	J	501	225	3.5	.36
54 B 1117	R-33	J	1001	200	5.0	.36
54 B 1118	R-33	J	2501	125	6	.36
54 B 1119	R-50	E	0.5	150	15	.42
54 B 1160	R-50	E	1.0	135	23	.42
54 B 1161	R-50	E	2.5	125	38	.42
54 B 1162	R-50	E	10.0	115	36	.72
54 B 1163	R-50	E	21	700	15	.29
54 B 1169	R-50	E	42	700	15	.29
54 B 1301	R-100	F	2.5	115	44	.57
54 B 1367	R-100	F	10.0	60	130	.11
54 B 1368	R-100S	H	2.5	115	44	.74
54 B 1495	R-100S	H	2.5	115	44	.99

NATIONAL CHOKES (Cont'd)

Stock No.	Type	Fig.	mH	mA	Ohms	EACH
54 B 1497	R-100S	H	10.0	60	130	1.49
54 B 1503	R-154U	L	1.0	600	6.0	2.01
54 B 1504	R-175A	M	145	300	5.0	4.46
54 B 1505	R-300	F	0.5	400	7.0	.57
54 B 1506	R-300	F	1.0	400	11	.57
54 B 1507	R-300	F	2.5	375	17	.74
54 B 1508	R-300	F	5.0	325	24	.90
54 B 1511	R-300U	G	2.5	375	17	.92

OHMITE CHOKES

Stock No.	Type	Fig.	μ H	mA	MHz	EACH
54 B 1548	Z-468	K	0.2	1000	320-520	.45
54 B 1549	Z-305	K	0.8	1000	120-200	.45
54 B 1550	Z-144	K	1.8	1000	80-200	.45
54 B 1551	Z-50	K	7.0	1000	35-110	.48
54 B 1552	Z-28	K	21	600	20-60	.60
54 B 1553	Z-14	K	44	800	7-35	.71
54 B 1554	Z-7	K	84	1000	3-20	1.44



MINIATURE ADJUSTABLE RF COILS

Variable-inductance RF coils. Use with tuning capacitors of 250 to 450 μ uF capacity. Type 70-OSC coil has tapped secondary. 70 series installed self-supported. 71-OSC has 2-tap primary. Both track 100 to 50 kHz IF. Maximum size, $1\frac{1}{4}$ x $\frac{3}{4}$ " diameter. Av. shpg. wt., 4 oz.

Stock No.	Mfr's Type	Use	kHz Range	EACH
54 B 1972	69-OSC	Osc.	540-1600	1.14
54 B 0866	70-A	Ant.	540-1600	1.29
54 B 0867	70-RF	RF	540-1600	1.29
54 B 0868	70-OSC	Osc.	540-1600	1.14
54 B 0869	71-OSC	Osc.	540-1600	1.65

UNIVERSAL REPLACEMENT COILS

Compact, variable-inductance iron-core coils for replacement use. Shielded type. Use with 250-450 μ uF variable capacitors. Oscillator coil has tapped secondary. $1\frac{1}{4}$ x $\frac{3}{4}$ x $\frac{1}{2}$ " IF range. Av. shpg. wt., 5 oz.

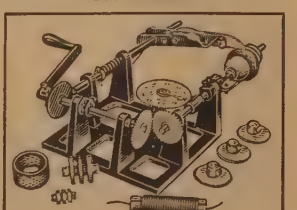
Stock No.	Mfr's Type	Use	kHz Range	EACH
54 B 0748	73-A	Ant.	500-1800	2.37
54 B 0749	73-RF	RF	500-1800	2.37
54 B 0752	73-OSC	Osc.	100-550	2.37

PRINTED-CIRCUIT RF CHOKES

Av. core RF chokes specifically designed for printed circuits. Offers wide range of inductances for use in transmitters, receivers, and test equipment. All are varnish-impregnated to resist moisture. Have printed-circuit mounting lugs. Forms are $\frac{1}{4}$ " long. Maximum current rating: 1 types 970-975, 125 mA; 982, 984, 100 mA; 987, 75 mA; 994, 50 mA. Av. shpg. wt., $1\frac{1}{2}$ oz.

Stock No.	Mfr's Type	mH	Ohms	Dia.	EACH
54 B 1061	970	1	17.2	$1\frac{1}{16}$ "	.75
54 B 1063	972	1.5	21.8	$1\frac{1}{16}$ "	.75
54 B 1067	975	2.7	31.2	$1\frac{1}{16}$ "	.81
54 B 1068	976	3.3	34.8	$1\frac{1}{16}$ "	.84
54 B 1070	978	4.7	43.2	$1\frac{1}{16}$ "	.84
54 B 1074	982	10	68	$7/16$ "	.87
54 B 1076	984	15	87.7	$7/16$ "	.89
54 B 1079	987	21	113	$7/16$ "	.96
54 B 1086	994	100	394	$1\frac{1}{16}$ "	1.32

MORRIS "COILMASTER" COIL WINDER



- Produces Self-Supporting, Universal and Honeycomb Coils
- Can be Used With #22 to #40 Wire

Accurate, easy-to-use hand-operated coil winder produces self-supporting, universal and honeycomb coils, plus solenoids, single-layer coils, etc. It's a big time-saver and gives your work a professional appearance. Indicator counts number of coil turns. Easily adjustable for pi-spacing and various diameter coil forms. Extremely versatile, it accepts No. 22 through No. 40 wire. 3 cam and 4 gears permit winding virtually all types of coils. Wire and coil forms not included. With instructions. Base size 5x5x5". Shpg. wt., 4 lbs.

54 B 1053 \$8.50

knight Wire and Cable

RUBBER (SP), PLASTIC (SPT) LAMP CORD



Two parallel No. 18 stranded copper wires for lamps and small appliances. Polarity ribbed. Meets U.L. requirements. 25-ft. and 100-ft. lengths. When ordering—specify length. Wt., per 100', 3 lbs.

Type	Jacket	Color	U.L. Type	25-Ft. Spool		100-Ft. Spool	
				Stock No.	EA.	Stock No.	EA.
SP	Rubber	Brown	SP-1	55 B 7983	1.40	55 B 7984	4.00
SP	Rubber	Black	SP-1	55 B 7983	1.40	55 B 7984	4.00
SPT	Vinyl	Brown	SPT-1	55 B 7988	1.40	55 B 7989	4.00
SPT	Vinyl	Black	SPT-1	55 B 7988	1.40	55 B 7989	4.00
SPT	Vinyl	Gray	SPT-1	55 B 8275	1.40	55 B 8289	4.00
SPT	Vinyl	White	SPT-1	55 B 7993	1.40	55 B 7994	4.00



"JUKE BOX" SPEAKER CABLE

Two parallel conductors of No. 24, 7x32 stranded wire—1 twisted, 1 bare. Vinyl inner insulation and vinyl jacket. O.D., .058x.115". In choice of gray or clear—specify color desired. Shpg. wt., per 100', 10 oz.
 55 B 9905 C, 25-ft. Spool... .75 55 B 9906 C, 50-ft. Spool... 1.00
 55 B 9912 C, 100-ft. Spool... 1.50 55 B 9913 C, 500-ft. Spool... 5.95
 55 B 9919 C, 1000-ft. Spool... 9.95



THERMOPLASTIC HOOK-UP WIRE

Type MW heavy-duty, thermoplastic-insulated hook-up wire. Rated 1000 volts rms at 80°C. Tinned copper conductor with polyvinylchloride insulation; wall thickness, .016". In choice of brown, red, orange, yellow, green, white, black, gray, violet or blue—specify color. Av. shpg. wt., 25' spool, 6 oz.; 100' spool, 1 lb.

Size	Strands	Nom. O. D.	25-Ft. Spool		100-Ft. Spool	
			Stock No.	EACH	Stock No.	EACH
#22	7x30	.056"	55 B 9723 C	.50	55 B 9724 C	1.25
#22	solid	.051"			55 B 9735 C	1.10
#20	10x30	.064"	55 B 9726 C	.65	55 B 9727 C	1.45
#20	solid	.058"			55 B 9737 C	1.20
#18	16x30	.075"	55 B 9729 C	.85	55 B 9730 C	1.85
#16	26x30	.091"	55 B 9732 C	1.00	55 B 9733 C	2.40

ASSORTED RADIO-TV HOOK-UP WIRE



Flexible stranded copper wire—some tinned and some untinned. Resistant to heat and moisture. Offers high conductivity with negligible loss. In assorted gauges, colors and types of insulation. Unlimited number of applications in chassis and subchassis wiring of radio and television receivers, transmitters, high-fidelity and public address equipment, kit building, etc.

55 B 9344, Six 25-ft. Coils. Shpg. wt., 1 lb..... Per Pkg. 1.45
 55 B 9345, Five 100-ft. Coils. Shpg. wt., 2½ lbs..... Per Pkg. 3.35



FLEXIBLE TEST-PROD WIRE

Limp, rubber-covered wire ideal for test leads. Designed to withstand extremely high voltages; puncture test voltage, 20,000 volts. Insulation thickness, .046". No. 20 conductor is 41x36 stranded. O.D., .137". Choice of red or black in 100-ft. spools only. Wt., 2 lbs.
 55 B 9474, Red, 100 ft. Spool..... Each 3.30
 55 B 9475, Black, 100-ft. Spool..... Each 3.30

RUBBER-JACKETED SERVICE CORD



Quality-made, rubber-sheathed service cord. Stranded copper conductors have rubber insulation with black rubber jackets. Excellent for a wide variety of applications, including household appliances, garden and power tools, or wherever rough-usage extension cords are required. All types meet U.L. requirements and have maximum voltage ratings of 300 volts except types S #14 and S #10, 600 volts. Current capacity in amperes: SV #18 and SJ #18, 5 amps; SJ #16 (2 and 3 cond. types), 7 amperes; S #14, 15 amperes; S #10, 25 amperes. Available in standard 25', 50' and 100' spools only—specify spool length desired, *No. of conductors. Av. shpg. wt., 100' spool, 3 lbs.

U.L. Type	Ga.	* O.D.	25-Ft. Spool		50-Ft. Spool		100-Ft. Spool	
			Stock No.	EA.	Stock No.	EA.	Stock No.	EA.
SV	#18	.250"	55 B 8336	1.90	55 B 8337	3.20	55 B 8349	5.30
SJ	#16	.240"	55 B 8353	2.76	55 B 8354	5.01	55 B 8361	9.75
SJ	#18	.345"	55 B 8380	5.00	55 B 8381	7.50	55 B 8382	12.50
SJ	#16	.375"	55 B 8384	4.40	55 B 8438	8.00	55 B 8450	15.25
S	#14	.500"	55 B 8628	11.00	55 B 8629	20.25	55 B 8630	38.25
S	#10	.690"	55 B 8631	19.40	55 B 8632	34.60	55 B 8633	64.00

MICROPHONE CABLE



Single-Conductor



Multiple-Conductor

Plastic and rubber-jacketed mike cable with tinned, stranded copper conductors. All have tinned copper braided shield except *tinned copper spiral shield. Plastic-jacketed types have plastic insulation and rubber-jacketed types, rubber insulation. Multiple-conductor types are color coded. Single-conductor type is especially suitable for lapel or lavalier mikes; 2-conductor types, for low-impedance mikes; 6-conductor type, for power supply cable. *No. Conductors. Av. shpg. wt.: 25' spool, 1 lb.; 100' spool, 6 lbs.

PLASTIC JACKET

†	Size	O.D.	WV DC	25-Ft. Spool		50-Ft. Spool		100-Ft. Spool	
				Stock No.	EA.	Stock No.	EA.	Stock No.	EA.
1*	#22	.155"	2500	55 B 9420	1.55	55 B 9421	2.80	55 B 9422	5.20
2	#22	.231"	600	55 B 9423	3.50	55 B 9424	6.55	55 B 9425	11.00

RUBBER JACKET

†	Size	O.D.	WV DC	100-Ft. Spool		250-Ft. Spool		500-Ft. Spool	
				Stock No.	EA.	Stock No.	EA.	Stock No.	EA.
2	#20	.268"	600	55 B 9427	11.50	55 B 9428	26.90	55 B 9429	52.90
6	#20	.349"	600	55 B 9430	18.50	55 B 9431	44.60		

MULTIPLE-CONDUCTOR INTERCOM CABLE (Not Paired)



Quality plastic-jacketed cable with multiple, non-paired, plastic insulated conductors. Excellent for permanent installation of speakers, control and intercom circuits, and other applications requiring a highly durable, lightweight cable. Conductors are of No. 22 stranded copper wire; all are color-coded.

No. Cond.	O.D.	Lbs. 100'	25-Ft. Spool		50-Ft. Spool		100-Ft. Spool	
			Stock No.	EA.	Stock No.	EA.	Stock No.	EA.
3	.150"	2	55 B 9850	1.45	55 B 9851	2.20	55 B 9458	2.75
4	.168"	2½	55 B 9852	1.85	55 B 9853	2.80	55 B 9854	3.65
5	.180"	2½	55 B 9855	1.95	55 B 9856	3.00	55 B 9857	4.25
6	.190"	3	55 B 9858	3.25	55 B 9859	4.90	55 B 9860	6.30
8	.195"	3½	55 B 9861	3.85	55 B 9862	5.50	55 B 9461	10.00

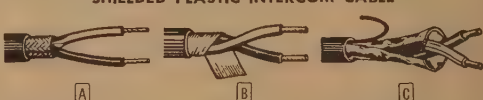
PAIRED UNSHIELDED INTERCOM CABLE (JACKETED)



For intercom and telephone wiring. Color-coded conductors are No. 22 solid copper, cabled in twisted pairs with high-dielectric plastic jacket overall.

No. Cond.	O.D.	Lbs. 100'	25-Ft. Spool		50-Ft. Spool		100-Ft. Spool	
			Stock No.	EA.	Stock No.	EA.	Stock No.	EA.
2 (1 pr.)	.150"	1½	55 B 9863	1.25	55 B 9864	1.85	55 B 9453	2.70
6 (3 pr.)	.240"	3½	55 B 9865	2.75	55 B 9866	3.50	55 B 9867	4.75
8 (4 pr.)	.255"	4	55 B 9868	3.90	55 B 9869	5.50	55 B 8772	8.90

SHIELDED PLASTIC INTERCOM CABLE



Two-conductor shielded cable for intercoms, sound and P.A. systems. All have plastic jackets with color-coded conductors. Fig. A has tinned copper shield; Fig. B, spiral-type tinned copper shield; Fig. C, aluminum-wrapped shield with ground wire.

Size	O.D.	Figs.	Lbs. 100'	25-Ft. Spool		50-Ft. Spool		100-Ft. Spool	
				Stock No.	EA.	Stock No.	EA.	Stock No.	EA.
#22	.170"	A	4	55 B 9876	2.50	55 B 9877	4.20	55 B 9878	6.40
#22	.167"	C	1½	55 B 9879	2.10	55 B 9880	3.00	55 B 9442	4.40
#20	.184"	C	3	55 B 9881	2.30	55 B 9467	2.90	55 B 9468	4.35
#20	.195"	B	3½	55 B 9882	2.30	55 B 9438	3.50	55 B 9440	5.95
#22	.170"	B	3	55 B 9883	2.10	55 B 9432	3.00	55 B 9433	3.65

PAIRED UNSHIELDED INTERCOM CABLE (UNJACKETED)



For speakers, alarm systems and other electronic applications. Conductors are No. 22 solid copper, plastic insulated and individually color-coded. Av. shpg. wt., 100' spool, 1¼ lbs.

No. Cond.	O.D.	Fig.	25-Ft. Spool		50-Ft. Spool		100-Ft. Spool	
			Stock No.	EA.	Stock No.	EA.	Stock No.	EA.
2	.112"	D	55 B 9870	1.00	55 B 9871	1.40	55 B 9455	1.75
3	.132"	E	55 B 9872	1.50	55 B 9873	2.10	55 B 9874	2.85

Wire and Cable

knight

PLAIN ENAMELED MAGNET WIRE

Enamel-insulated, soft-drawn copper wire. Especially manufactured for all types of coil winding applications—transformers, RF coils, chokes, etc. All sizes are standard B&S gauge. Available in 1/2-pound spools only. Average shipping weight, per spool, 14 oz.



Stock No.	Size	Feet	Per Spool	Stock No.	Size	Feet	Per Spool
55 B 7885	#36	6410	2.15	55 B 7695	#26	640	1.35
55 B 7792	#34	4042	1.90	55 B 9884	#24	402	1.25
55 B 7709	#32	2543	1.55	55 B 9885	#22	253	1.25
55 B 7708	#30	1602	1.55	55 B 7581	#20	159	1.25
55 B 7707	#28	1013	1.55	55 B 7569	#18	101	1.25

HEAVY FORMVAR MAGNET WIRE

Copper magnet wire covered with Formvar; a tough, abrasion-resisting film. Stable dielectric is maintained under cumulative drying and aging effects of heat—does not fail after two hours at 105°C. Resists acid and alkali, impervious to effects of petroleum solvents. Infinite moisture resistance. Takes little winding space. Has many applications for technical service and industrial work. Specially useful in transformers, chokes, transmitters, and the repair and construction of electric motors. Replaces enamel, paper, cotton, silk, double cotton and double silk. Available in 1/2-lb. spools only, Av. shpg. wt., 9 oz.

Stock No.	Size	Feet	PER SPOOL
55 B 8813	#26	630	1.55
55 B 8811	#24	390	1.55
55 B 8809	#22	250	1.55
55 B 8807	#20	150	1.55
55 B 8805	#18	100	1.20

75-OHM LOW-LOSS FOAM-TYPE COAXIAL CABLE FOR COLOR TV

RG-59/U-Type. Recommended by manufacturers as best antenna lead-in for color TV. Impedance, 75 ohms. Moisture resistant polyfoam dielectric keeps moisture out, reduces signal loss by 35%, and assures better picture quality. Ends strip quickly for connection to TV antenna and set. Suitable for Amateur and Citizens Band

Foam construction for extremely low loss. Features cellular polyethylene inner dielectric which reduces signal attenuation by as much as 35% over standard RG coax. Excellent choice for use in community TV installations, and many other UHF and VHF trans-

Type	Imp. Ohms	Conductor	O.D.	μF per Ft.	Lbs. per 100'	50-Ft. Spool
RG-8/U	50	13 (7x21)	.405"	26.0	10 1/2	55 B 9354
RG-58/U	53.5	20 solid	.195"	28.5	3	55 B 9357

LOW-LOSS FOAM-TYPE RG COAXIAL CABLE

mitting and receiving applications. Type RG-8/U uses series N, C, HN and UHF-type connectors; Type RG-58/U uses series TNC, BNC, BN, C, UHF, N and push-on connectors. Per 100 ft., 4 lbs.

55 B 9363, 50-Ft. 3.90
55 B 9352, 100-Ft. 6.05 55 B 9353, 500-Ft. 24.00



STANDARD RG HIGH-FREQUENCY COAXIAL CABLE

Rugged, high-quality coaxial cable for RF transmission line, antenna lead-in, test equipment leads, and similar communications uses. All have an efficient, low-loss, polyethylene inner dielectric. Outer plastic jackets are virtually impervious to acids, alkalis, oils, chemicals, humidity and weathering effects—suitable for under-

ground applications. RG-8/U and RG-11/U types are for series N, C, HN and UHF connectors; RG-58/U and RG-59/U are for series TNC, BNC, BN, C, UHF, N and push-on connectors. RG-8/U and RG-58/U have bare copper conductors. RG-11/U has tinned copper conductor. RG-59/U has bare copperweld conductor.

Type	Imp. Ohms	Conductor	O.D.	μF per Ft.	Lbs. per 100'	25-Ft. Spool	50-Ft. Spool	100-Ft. Spool	500-Ft. Spool
RG-8/U	50	13 (7x21)	.405"	29.5	10 1/2	55 B 9886	4.70	55 B 9887	7.50
RG-11/U	75	18 (7x26)	.405"	20.5	10	55 B 9888	4.75	55 B 9889	7.50
RG-58/U	53.5	20 solid	.195"	28.5	3	55 B 9894	2.00	55 B 9897	3.10
RG-59/U	73	22 solid	.242"	21.0	4	55 B 9848	2.40	55 B 9849	3.50

7 MM IGNITION WIRE

Specially designed for spark plug connections. Single conductor tinned, stranded copper with high dielectric insulation. Available in your choice of two types: select the black neoprene jacket for severe operating conditions in automobiles, boats and trucks; choose clear polyvinylchloride insulation for standard duty use on

all cars, boats and trucks. The clear jacket also provides a "dress up" appearance for the motor in "Hot Rods," racing cars, and custom motors. Available in 50, 100 and 500-ft. spools. Shpg. wts.: 50 foot spools, 2 lbs.; 100-foot spools, 4 lbs.; 500-foot spools, 9 lbs.

Insulation	Size	O.D.	Wall Size		Color	50-Ft. Spool	100-Ft. Spool	500-Ft. Spool
			Inner	Outer		Stock No.	EACH	Stock No.
Rubber and Neoprene	#16 Stranded	.276"	.075"	.032"	Black	55 B 8601	5.30	55 B 8603
Polyvinylchloride	#20 Stranded	.276"	.109"	.....	Clear	55 B 8602	5.30	55 B 8513
Polyvinylchloride	#20 Stranded	.276"	.109"	.....	Clear	55 B 8460	5.30	55 B 8461

AUTOMOTIVE AND MARINE WIRE

Specifically designed for electrical connections in autos, trucks, and boats. Single conductor, stranded bare copper primary wire with color-coded polyvinylchloride insulation. Resists the damaging

effects of flame, oil, gasoline, grease, acid and fungus. Also impervious to the deterioration caused by most solvents.

Conductor	Wall Size	Color	Lbs. per 100'	50-Ft. Spool	100-Ft. Spool	500-Ft. Spool
Size	Strands	O.D.	Size	Stock No.	EACH	Stock No.
#16	19x29	.102"	.102"	Brown	2	55 B 8604
#14	19x27	.123"	.023"	Green	2	55 B 8605
#12	19x25	.147"	.026"	Red	3	55 B 8606
#10	19x23	.183"	.031"	Black	4 1/4	55 B 8607

Belden Microphone and Special-Purpose Cable



MULTIPLE



SINGLE

RUBBER-COVERED MICROPHONE AND SHIELDED POWER-SUPPLY CABLE

Recommended for greater abrasion resistance and extra flexibility. Especially suited for installations where cable must make tight bends around corners or lie perfectly flat. Available in single or multiple (up to 8) conductors. Type 8428 has heavy-duty neoprene jacket; Type 8413 is miniature-shielded cable. Av. shpg. wt., per 100 ft., 6 lbs.

Mfr's Type	No. Cond.	AWG Stranding	Cap. μ F	O. D.	Working Volts	50-FT. SPOOL		100-FT. SPOOL		250-FT. SPOOL	
						Stock No.	EACH	Stock No.	EACH	Stock No.	EACH
8410	1	25(7x33)	33	.245"	3000	55 B 7798	4.90	55 B 7799	9.00	55 B 7814	21.00
8412	2	20(26x34)	42	.268"	600	55 B 7827	5.35	55 B 7828	9.90	55 B 7829	22.90
8423	3	20(26x34)	50	.277"	600	55 B 7832	6.15	55 B 7835	11.55	55 B 7836	27.00
8424	4	20(26x34)	55	.295"	600	55 B 7838	6.90	55 B 7839	13.05	55 B 7840	30.75
8425	5	20(26x34)	44	.323"	600	55 B 7841	15.40	55 B 7842	15.40	55 B 7844	37.50
8426	6	20(26x34)	40	.349"	600	55 B 7843	18.75	55 B 7843	18.75	55 B 7844 U	46.50
8427	7	20(26x34)	40	.360"	600	55 B 7845	20.25	55 B 7845	20.25		
8418	8	20(26x34)	42	.386"	600	55 B 7846	23.25	55 B 7846	23.25	55 B 7847 K	56.25
8428	2	18(41x34)	47	.295"	600	55 B 7848	13.50	55 B 7848	13.50		
8413	2	24(45x40)	38	.185"	300	55 B 7853	5.05	55 B 7855	9.40		



MULTIPLE



SINGLE

VINYL PLASTIC-COVERED MICROPHONE AND SHIELDED POWER-SUPPLY CABLE

Lower capacitance and loss figures than standard rubber-covered cables. Resist ozone deterioration; have high resistance to oil, gasoline, and other chemicals. All are relatively light weight with small diameters. 8411 is suited for lapel or lavalier microphones. 8420 is a miniature type cable. Av. shpg. wt., per 100 ft., 3 1/2 lbs.

Mfr's Type	No. Cond.	AWG Stranding	Cap. μ F	O. D.	Working Volts	50-FT. SPOOL		100-FT. SPOOL		250-FT. SPOOL	
						Stock No.	EACH	Stock No.	EACH	Stock No.	EACH
8401	1	25(7x33)	25	.200"	3500	55 B 7863	2.70	55 B 7864	4.95	55 B 7865	10.50
8411	1	25(7x33)	34	.144"	5000	55 B 7868	2.10	55 B 7869	3.90	55 B 7870	8.25
8422	2	22(16x34)	18	.231"	1000	55 B 7874	4.15	55 B 7875	7.30	55 B 7876	16.15
8403	3	20(26x34)	25	.245"	600	55 B 7878	5.20	55 B 7879	9.60	55 B 7880	21.55
8404	4	20(26x34)	25	.253"	600			55 B 7882	10.60	55 B 7883	24.40
8405	5	20(26x34)	25	.275"	600					55 B 7884	28.15
8420	2	24(45x40)	20	.185"	500	55 B 7888	3.70	55 B 7889	6.90	55 B 7890	17.85



MINIATURE CABLE



STANDARD CABLE

STANDARD AND MINIATURE BROADCAST AUDIO CABLES

Two-conductor, color-coded cables. High insulation resistance and effective shielding eliminate noise and cross-talk. Have free stripping jackets, fast shield termination and small diameters. Tinned drain-wire prevents current loops. §Spiral-wrapped. †Braided. Specify both Stock No. and Mfr's Type when ordering.

Mfr's Type	Type	AWG Stranding	O. D. Inches	Wkg. Volts	Shields	Jacket	Lbs., 100 ft.	100-FT. SPOOL		500-FT. SPOOL	
								Stock No.	EACH	Stock No.	EACH
8437	CBS	22(solid)	.200	200	Coppert†	Black Vinyl	3 1/2			55 B 7451	21.00
8441	CBS	22(16x34)	.210	200	Coppert†	Black Vinyl	3	55 B 7893	5.40	55 B 7474	24.00
8450	Miniature	22(solid)	.118	200	Alum.-"Mylar"§	Blk./Gray Vinyl	1 1/2	55 B 7894	3.55	55 B 7895	13.15
8451	Miniature	22(7x30)	.135	200	Alum.-"Mylar"§	Blk./Gray Vinyl	1 3/4	55 B 8562	4.05	55 B 7898	16.50



RG HIGH-FREQUENCY COAXIAL CABLE

Have low-loss, flexible polyethylene inner jacket, covered with copper-braid shield, black vinyl outer jacket. Assures constant electrical characteristics regardless of changes in frequency or temperature. Type 8214 is excellent for use in CB and Amateur

Radio as 50-ohm antenna cable. *Indicates cable has cellular polyethylene foam core for very low losses even at ultra-high frequencies. All have black outer covering. Furnished in 100' spools only. Specify both Stock Number and Manufacturer's Type when ordering. Contact Allied for other cable types not listed.

Stock No.	Mfr's Type	RG No.	AWG (Stranding)	O. D. (In.)	Imp. Ohms	Cap. μ F/Ft.	Conductor	Lbs.	100-FT. SPOOL
55 B 7923	8237	8/U	13(7x21)	.405	52	29.5	Bare Copper	11 1/4	13.15
55 B 7387	8214*	8/U	11(7x19)	.403	50	26	Bare Copper	12	14.65
55 B 7927	8240	58/U	20(Solid)	.193	53.5	28.5	Bare Copper	3 1/4	4.75
55 B 7931	8216	174/U	26(7x34)	.100	50	30.4	Bare Copper	1	3.60

75-OHM AND 73-OHM RG COAXIAL CABLE FOR COLOR-TV LEAD-IN

55 B 7264	8238	11/U	18(7x26)	.405	75	20.5	Tinned Copper	10 1/4	11.25
55 B 7928	8241	59/U	22(Solid)	.242	73	21	Bare Copper	4	5.50

HI-FI, STEREO AND PHONO CABLES



HI-FI



PHONO CABLE



DUAL CHANNEL



SINGLE

Make Allied Radio headquarters for all your electronic needs. You can depend on Allied for prompt service.

Have stranded conductors of tinned copper with vinyl or rubber insulation. Type 8421 Hi-Fi cable, spiral wrap. Types 8430 and 8431: for mono phono pickup applications. 8419 and 8429: dual channel,

for stereo phono pickups. 8416: for stereo and language labs. 8417: single, miniature mono phono connecting cable. *Use two cables for maximum channel separation. †100x62.213.

Mfr's Type	Outer Jacket	No. Cond. & AWG	O. D.	Lbs., 100 ft.	25-FT. SPOOL		50-FT. SPOOL		100-FT. SPOOL		250-FT. SPOOL	
					Stock No.	EACH	Stock No.	EACH	Stock No.	EACH	Stock No.	EACH
8421	Chrome Vinyl	1-25(7x34)	.180	2 1/4	55 B 8781	1.58	55 B 8782	2.85	55 B 8783	4.65	55 B 8784	10.35
8431	Rubber	1-24(16x36)	.095	1 1/4	55 B 9930	1.28			55 B 9931	4.05		
*8419	Vinyl	2-32(7x40)	.050	1 1/4	55 B 9927	.80					55 B 9928	4.80
8416	Chrome Vinyl	2-25(7x33)	.057	2 1/4	55 B 9382	1.75	55 B 9390	3.15	55 B 9391	5.50	55 B 9412	12.60
*8429	Vinyl	2-32(7x40)	.051	1 1/4	55 B 9933	1.35					55 B 9934	9.30
8419	Vinyl	3-32(7x40)	.067	1 1/2	55 B 8330	1.58					55 B 8333	11.35
8417	Chrome Vinyl	1-25(7x33)	.140	1 1/2	55 B 7671	1.31	55 B 7672	2.10	55 B 7673	4.00	55 B 7674	8.65

Belden Sound-System and Intercom Cable

TWO AND THREE-CONDUCTOR SHIELDED CABLE

Variety of gauges, insulations, shieldings and jackets for PA and intercom use. All types listed in table below have tinned copper conductors. *Polyethylene insulated conductors, aluminum "Mylar" wrapped shield, stranded tinned copper ground wire. †Chrome vinyl jacket. ‡Spiral-wrapped tinned shield. §Vinyl insulated conductors. Type 8731, No. 22 stranded conductors (7x32). No. 22 stranded: 8735, 8761, 8771 (7x30). No. 20 stranded: 8762, 8772 (7x28). No. 18 stranded: 8760, 8770 (16x30). No. 22 solid: 8731. No. 16 stranded: 8779, 8780 (19x29). Specify Stock No. and Mfr's Type. Av. shpg. wt., 100 ft., 3½ lbs.



Mfr's Type	Cond.	O. D.	100-FT. SPOOL		500-FT. SPOOL	
			Stock No.	EACH	Stock No.	EACH
8208*	2	.255"	55 B 7555	7.30	55 B 7515 X	32.20
8641*	2	.160"	55 B 7676	3.45	55 B 7517	13.90
8731*#§	3	.178"	.....	.....	55 B 7559	17.25
8735†‡	3	.199"	55 B 7563	5.25	55 B 7565	22.50
8760†‡	2	.222"	.....	.....	55 B 7598	22.15
8761*	2	.167"	.....	.....	55 B 7568	14.40
8762*#§	2	.197"	55 B 7575	4.45	55 B 7577	18.40
8770*#§	3	.236"	.....	.....	55 B 7401 U	28.15
8771*#§	3	.175"	.....	.....	55 B 7442	18.15
8772*#§	3	.200"	.....	.....	55 B 7489	22.90
8779*†	2	.225"	.....	.....	55 B 7428	33.40
8780†‡§	2	.266"	.....	.....	55 B 7430 X	31.90
8790†‡§	2	.231"	55 B 7572	5.80	55 B 7573 U	24.75

SPECIAL INTERCOM AND SOUND CABLES



Type 8734. 3 cond. (vinyl-ins.). Tinned copper shield on one 2 unshielded. AWG: 22(7x30). Chrome vinyl jacket. Wt., 100 ft., 2½ lbs.

Type 8763. 3 cond. (polyethylene-ins.). Aluminum-Mylar shield on 2, 1 unshielded. #20 stranded gr. wire, Chrome vinyl jacket overall. AWG: 20 (7x28). Shpg. wt. per 100 ft., 3¼ lbs.

Type 8732. 4 cond. (polyethylene-ins.). 1 pr. tinned copper, shielded; 1 pr. unshielded. 22 (7x30). Chrome vinyl plastic jacket. Shpg. wt., per 100 ft., 3 lbs.

Type 8733. 3 cond., separately aluminum-Mylar shielded. Ground wire tinned cadmium-bronze. "Beldfoil Z" foil. AWG: 22 (7x30). Shpg. wt., per 100 ft., 3 lbs.

Type 8722. 4 cond. (vinyl-ins.). 2 alum.-Mylar shield on 2; unshielded. Tinned gr. 20 (7x28). Chrome vin. jacket 100 ft., 4¼ lbs.

Mfr's Type	Cond.	O. D.	100-FT. SPOOL		500-FT. SPOOL	
			Stock No.	EACH	Stock No.	EACH
8734	3	.194"	55 B 7685	4.65	55 B 7445	19.50
8763	2	.210"	.....	.....	55 B 7471	22.50
8732	4	.188x.296"	55 B 7684	6.00	55 B 7465	25.50
8733	3	.205"	55 B 7687	6.00	55 B 7329	25.50
8722	4	.260"	.....	.....	55 B 7675	28.50

TWO AND THREE-CONDUCTOR UNSHIELDED CABLE

High-quality cable for PA and intercom installations, speaker extensions, alarm systems, etc. Have high insulation resistance. Have vinyl insulated, untinned conductors, except † which are tinned, and ‡ stranded (19x29). Jackets of chrome vinyl, except 8794 which has rose-gray vinyl jacket and 8483, 8482, 8486 and 8470 which are twisted pair types without jacket. 8483 is cabled and without jacket. *Solid copper conductors. †Stranded (10x30). Be certain to specify both Stock No. and Mfr's Type when ordering.

Mfr's Type	Cond.	O. D.	Lbs., 100 ft.	Mfr's Type	Cond.	O. D.	Lbs., 100 ft.
8481*	2-22	.112"	1	8487*	3-19	.180"	2½
8482*	3-22	.168"	1½	8480†	2-18	.175"	1
8205†	2-20	.100"	1	8481†	2-18	.226"	3
8482*	2-19	.130"	1½	8470†	2-16	.195"	2¾
8483*	3-19	.132"	1¾	8471†	2-16	.256"	4
8486*	2-19	.162"	2	8473†	2-14	.332"	6

COST PER SPOOL

Mfr's Type	100-FT. SPOOL		500-FT. SPOOL	
	Stock No.	EACH	Stock No.	EACH
8481	55 B 7612	1.80	55 B 7614	5.80
8704	.....	.....	55 B 7642	11.25
8205	55 B 7597	2.85	55 B 7310	10.90
8482	55 B 7616	2.25	55 B 7631	8.10
8481	55 B 7633	2.95	55 B 8563	11.55
8486	.....	.....	55 B 7636	10.50
8460	55 B 7602	3.15	55 B 7603	12.30
8461	55 B 7610	4.05	55 B 7434	16.50
8470	.....	.....	55 B 7436	16.50
8471	.....	.....	55 B 7611	20.65
8473	.....	.....	55 B 7527 U	33.75

TWO-CONDUCTOR SHIELDED CABLE

For speaker systems, intercoms. All have vinyl plastic insulation and jackets, except 8758 which has copper braid jacket. Tinned conductors. †Tinned copper, spiral-wrapped shield. Black/Red coding. Shpg. wt., per 100 ft. of cable, 2½ lbs.



Mfr's Type	AWG Stranding	O. D.	100-FT. SPOOL		500-FT. SPOOL	
			Stock No.	EACH	Stock No.	EACH
8757*	22 (7x30)	.170"	55 B 7644	3.75	55 B 7447	16.50
8758*	20 (2x28)	.165"	55 B 7647	4.65	55 B 7448	16.50
8759*	20 (7x28)	.195"	55 B 7649	4.65	55 B 7666	19.50
8739*	22 (Solid)	.160"	55 B 7645	3.55	55 B 7449	15.00

VINYL "JUKE BOX" CABLE

Stranded, color-coded, tinned copper conductors. Type 8783: 1—#20, 2—#16. Type 8786 (oval): 4—#24 twisted under shield, 2—#22 twisted, unshielded. (All shields tinned copper braid). Av. shpg. wt. per 100-foot spool, 5 lbs.



Mfr's Type	Cond.	O. D.	100-FT. SPOOL		500-FT. SPOOL	
			Stock No.	EACH	Stock No.	EACH
8783	3	.250"	55 B 7775	5.85	55 B 7776 U	26.25
8786	6	.280"	55 B 7777	7.00	55 B 7778	32.25

VINYL "JUKE BOX" SPEAKER CABLE

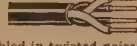
Type 8782, Two parallel conductors, 1 tinned, 1 bare; #24, 7x32 stranding. Vinyl insulation. Vinyl jacket. In chrome, clear or white color, specify choice. O.D., .058x115". Shpg. wt., 100 ft., 10 oz. 55 B 8828 C, 60-ft. Spool.1.01 55 B 8829 C, 100-ft. Spool. 1.53 55 B 7051 C, 500-ft. Spool. 5.10 55 B 7052 C, 100-ft. Spool.10.20



Type 8649 Two-Conductor "Juke-Box" Cable. Same as above but #20, 1x38 stranding. In chrome or clear. Specify color choice when ordering. 100-ft. spools only. Wt., 10 oz. 55 B 7678 C, 100-ft. Spool.2.25

PAIRED VINYL UNSHIELDED CABLE

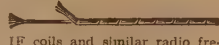
For intercom and telephone wiring. No. 22 solid tinned copper except *No. 22 stranded (7x30). Color-coded vinyl plastic insulation. Conductors cabled in twisted pairs; chrome vinyl plastic overall. Provide a quiet circuit, free from crosstalk. Vinyl plastic insulation for high dielectric strength. Be certain to specify both the Mfr's Type and the spool size desired when ordering.



Mfr's Type	Cond.	O. D.	Lbs., 100 ft.	100-FT. SPOOL		500-FT. SPOOL	
				Stock No.	EACH	Stock No.	EACH
8428*	2	.165"	1½	.....	.....	55 B 7690	9.30
8740	2	.150"	1¾	55 B 7691	2.22	55 B 7692	7.30
8741	4	.201"	2½	55 B 7693	3.75	55 B 7455	15.00
8742	6	.240"	3½	55 B 8565	4.90	55 B 7458	20.65
8757	8	.225"	4	.....	.....	55 B 7407 X	26.25
8743	2	.305"	2¾	55 B 7694	2.22	55 B 7460 X	35.25
8744	12	.440"	5	55 B 7695	7.45	55 B 7493 X	35.25
8744	18	.354"	6½	55 B 8552	10.90	55 B 8553 U	51.00
8748*	18	.389"	8	55 B 7699	13.35	55 B 7002 U	63.75
8753	22	.384"	8	55 B 7700	13.50	55 B 7467 U	64.50
8754	22	.409"	11	55 B 8555	15.20	55 B 7470 X	73.50
8745	30	.420"	10	55 B 7696	18.75	55 B 7462 X	86.25
8755	38	.480"	15	.....	.....	55 B 7478 X	112.50
8756	46	.510"	17½	.....	.....	55 B 7480 X	132.00

BELDEN LITZ WIRE

Type 8917, 5x44 stranded copper Cerm-enamel insulated with one nylon wrap. Specifically made for rewinding antenna primaries, hand-winding RF coils, IF coils and similar radio frequency applications. Outside diameter, .008". Shpg. wt., 2 oz. 55 B 8981, 100-FT. Spool.65



Belden Wire and Cable

RETRACTILE (COILED) MICROPHONE AND TELEPHONE CABLE



MICROPHONE



TELEPHONE

Strong, coiled cables extend up to six times their normal length. Conveniently retract out-of-way when not in use. Have tinned cadmium-bronze conductors.

Mike cables have braided shield, except *unshielded. Types 8494 and 8495 are unshielded telephone cords with spade terminals and strain relief. Wt., 1/4 lb.

Mfr's Type	No. Cond.	Description	Jacket	AWG Stranding	O. D. Inches	Extends From To	Stock No.	EACH
*8415	4	Microphone Cable	Neoprene	23(21x36)	.250	11 1/2' 6'	55 B 7275	1.41
8497	3	Microphone Cable	Neoprene	23(21x36)	.250	11 1/2' 6'	55 B 7276	1.46
8499	1	Microphone Cable	Neoprene	24(45x40)	.160	7 1/2' 4'	55 B 7286	.98
8490	5	Microphone Cable	Neoprene	23(21x36)	.265	11 1/2' 6'	55 B 7613	1.50
8494	4	Telephone Cord	Vinyl	23(21x36)	.245	10' 4 1/2'	55 B 7276	1.65
8495	3	Telephone Cord	Vinyl	23(21x36)	.220	10' 4 1/2'	55 B 7277	1.31

#18 RUBBER-COVERED FLEXIBLE TEST-PROD WIRE



65x16 stranded, tinned copper, cotton wrap.
8898, 230-inch O.D., .088-inch insulation;
10,000 WV; 29,000 puncture volts. 8899;
144-inch O.D., .045-inch insulation; 50,000
VW; 20,000 puncture volts; available in green and yellow for patch cord
uses. Shpg. wt., per 25' spool, 8 oz.; 100' spool, 2 lbs.; 500' spool, 9 lbs.

Type 8898—Red				Type 8898—Black			
Stock No.	Spool	EACH		Stock No.	Spool	EACH	
55 B 7737	25'	1.95		55 B 7744	25'	1.95	
55 B 7738	100'	5.05		55 B 7750	100'	5.05	
55 B 7739	500'	21.00		55 B 7751	500'	21.00	
Type 8899—Red				Type 8899—Black			
Stock No.	Spool	EACH		Stock No.	Spool	EACH	
55 B 7759	25'	1.15		55 B 7763	25'	1.15	
55 B 7760	100'	3.60		55 B 7764	100'	3.60	
55 B 7761	500'	13.00		55 B 7765	500'	13.00	
Type 8899—Yellow				Type 8899—Green			
Stock No.	Spool	EACH		Stock No.	Spool	EACH	
55 B 7659	25'	1.15		55 B 7660	25'	1.15	
55 B 7623	100'	3.60		55 B 7624	100'	3.60	
55 B 7625	500'	13.00		55 B 7626	500'	13.00	



SRIR THERMOPLASTIC HOOKUP WIRE

Heavy-duty thermoplastic insulated hookup wire. Manufactured to rigid industrial specifications. Rated at 1000 volts, rms. Has tinned copper conductors with .017" thick insulation. Wire is available in black, brown, red, orange, yellow, green, blue, and white. Specify your choice when ordering. Av. shpg. wt. per 100-ft. spool, 1 lb.

Mfr's Type	Size	Strands	Outside Diameter	100-Ft. Spool	
				Stock No.	EACH
8525	24	7x32	.058"	55 B 7244 C	1.23
8530	22	Solid	.059"	55 B 7218 C	1.14
8524	22	7x30	.064	55 B 7219 C	1.35
8529	20	Solid	.066"	55 B 7220 C	1.35
8523	20	10x30	.070"	55 B 7221 C	1.55
8522	18	16x30	.080"	55 B 7110 C	1.95
8528	18	Solid	.074"	55 B 7112 C	1.73
8531	16	Solid	.085"	55 B 7246 C	1.73
8521	16	26x30	.098"	55 B 7113 C	2.60
8520	14	41x30	.111"	55 B 7116 C	3.68
8527	12	65x30	.130"	55 B 7118 C	5.20

ASSORTED WIRE KITS



Type 8822. Handy kit contains ten 25-ft. spools of Type 8529 hookup wire (described in table, above) set in a convenient dispenser rack. Wire is supplied in the following colors: black, blue, green, red, white, yellow, orange, brown, gray, and violet. Shpg. wt., 2 1/2 lbs.

55 B 7226..... 6.00

Type 8824. Eight 25-ft. spools of Type 8523 hookup wire (see table above) and a dispenser rack. Colors supplied: black, blue, green, red, white, yellow, orange, and brown. Shpg. wt., 2 1/4 lbs.

55 B 7227..... 5.28

SHIELDED HOOKUP AND GRID WIRE



Type 8885. Single conductor #20 stranded (10x30) tinned copper conductor; .015" rubber insulation; cellulose acetate yarn braid; lacquered, tinned copper braid shield. Break-down voltage, 4000 volts. Outside diameter .117". Wt., 100 ft., 1 1/4 lbs. Available only in lengths shown.
55 B 7779 15-ft. Spool..... 1.04 55 B 7780 25-ft. Spool..... 1.40
55 B 7781 100-ft. Spool..... 4.15

COPPER BRAID SHIELDING AND BONDING CABLE



Flexible, braided and tinned copper for shielding conductors and cables. Braided in tubular form for easy slip-on. Av. shpg. wt. per 50 ft., 1 1/2 lbs.

Mfr's Type	I. D.	Stranding	50-Ft. Spool	Stock No.	EACH
8660	1 1/8"	96x34	55 B 9350	2.05	
8668	1 1/8"	120x34	55 B 9355	2.80	
8669	3/4"	192x34	55 B 9360	3.30	
8661	1 1/8"	336x34	55 B 9365	6.90	
8662	2 1/8"	576x34	55 B 9380	9.75	
8663	1 1/8"	160x34	55 B 9843	3.45	

STRANDED AND SOLID ANTENNA WIRE



High-conductivity copper wire features maximum tensile strength, minimum stretch. Polythermaleze type insulation protects against mechanical abuse. Av. shpg. wt., 100-ft., 1 lb.

STRANDED BARE COPPER

Type 8000—7x22				Type 8002—7x24			
Stock No.	Spool	EACH		Stock No.	Spool	EACH	
55 B 7680	50 ft.	1.20		55 B 7654	50 ft.	.87	
55 B 7681	75 ft.	1.73		55 B 7656	100 ft.	1.50	
55 B 7682	100 ft.	2.18					
55 B 7683	1000 ft.	19.90					

SOLID HEAVY POLYTHERMALIZE-INSULATED COPPER

Type 8008 No. 12				Type 8009 No. 14			
Stock No.	Spool	EACH		Stock No.	Spool	EACH	
55 B 7670	100 ft.	4.05		55 B 7740	100 ft.	2.55	
55 B 7661	150 ft.	5.80		55 B 7662	150 ft.	3.50	
55 B 7736	500 ft.	18.00		55 B 7741	500 ft.	10.50	

INDOOR ANTENNA WIRE

Type 8014. Extra flexible. No. 25 stranded (13x36), tinned copper conductor, with chrome vinyl plastic insulation. O.D., .044". Shpg. wts.: 25-ft. spool, 2 oz.; 500-ft. spool, 2 lbs.

55 B 7930 25-ft..... .57
55 B 7933 500-ft..... 3.30

RADIO/MARINE ANTENNA WIRE

Type 8201. Tinned copperweld #20(7x28) antenna wire for marine and other applications. Embossed in brown weather resistant polyethylene. O.D., .278". Shpg. wt. per 100 ft., 3 1/2 lbs.

55 B 7663 100-ft. Spool..... 4.15
55 B 7664 500-ft. Spool..... 17.25



HEAVY POLYTHERMALIZE MAGNET WIRE

High temperature magnet wire for a wide variety of coil winding applications. Features heavy polythermaleze insulation; withstands winding abuse and forming operations; resists the solvent action of all types of chinnies; resists softening and brittleness when used at extreme temperatures. Temperature rating, 180°C. Excellent moisture resistance.

1/2-lb. Spool				1-lb. Spool			
Stock No.	Size	Feet	EACH	Stock No.	Size	Feet	EACH
55 B 8036	14	24	1.17	55 B 8086	14	80	1.97
55 B 8037	16	24	1.17	55 B 8087	16	126	2.04
55 B 8038	18	100	1.20	55 B 8088	18	199	2.16
55 B 8039	20	157	1.23	55 B 8089	20	315	2.16
55 B 8040	22	230	1.25	55 B 8090	22	501	2.16
55 B 8041	24	396	1.28	55 B 8091	24	761	2.32
55 B 8042	26	630	1.33	55 B 8092	26	1260	2.32
55 B 8043	28	995	1.46	55 B 8093	28	1990	2.61
55 B 8044	30	1570	1.62	55 B 8094	30	3140	2.93
55 B 8045	32	2440	1.76	55 B 8095	32	4380	3.25
55 B 8046	34	3930	2.00	55 B 8096	34	7860	3.60
55 B 8047	36	6200	2.39	55 B 8097	36	12400	4.70
55 B 8048	38	9700	2.82	55 B 8098	38	19400	5.61
55 B 8049	40	16050	3.48	55 B 8099	40	32100	7.30

DUPLEX LIGHTING CABLE



Weatherproof 2-conductor stranded lighting cables for outdoor use only. Ideal for extending power lines to yard, garden, garage, barn, etc. Consist of two stranded, tinned copper, vinyl insulated conductors: one conductor brown vinyl, the other, red vinyl, running parallel through an oval-shaped, chrome vinyl outer jacket of .022" thickness. Type 8677 is No. 16 AWG (19x29); O.D., .164x.276". Type 8675 is No. 14 AWG (19x27); O.D., .189x.262". Type 8673 is No. 12 AWG (19x25); O.D., .213x.384". Av. shpg. wt., per 100 ft., 5 lbs.

Type	Stock No.	100 Ft.	Stock No.	600 Ft.
8677	55 B 7728	5.10	55 B 7729	24.15
8675	55 B 7730	6.75	55 B 7039 U	31.65
8673	55 B 7731	8.70	55 B 7042 U	42.60

CATHODE-RAY-TUBE CABLE



High dielectric, corona resistant, minimum surface leakage CRT cables. No. 22 (7x30) tinned copper, polyethylene insulated. 8868 has red vinyl jacket; rated 25,000 V working; 50,000 V breakdown, 8869, black vinyl jkt.; 17,000 V; 35,000 V breakdown.

Mfr's Type	Insul.	Outside Diameter	100-Ft. Spool	Stock No.	Wt., Lbs.	EA.
8868	.065"	.150"	55 B 7770	1 1/4	2.70	
8869	.029"	.120"	55 B 7773	1 1/4	2.25	

Tubing, Wire Markers and Flat Cable

ALPHLEX PVC 105 PLASTIC TUBING

Plastic tubing features high tensile strength per MIL-1-631D, ASTM-D876, ASTM-D922 (Type F, Form U, Grade C, Class 1, Category 1) specs. Available in sizes 24 to 12. Have 0.016" wall thickness, except sizes 24 and 22, 0.012". Available in choice of Clear, Black or Red—specify color when ordering. Av. wt. per 100 ft., 5 oz.

Stock No.	Size	Nom. I.D.	Per 100-ft. Coil		
			1-4	5-9	10-49
55 B 9269 C	24	.022"	2.43	2.11	1.80
55 B 9270 C	22	.027"	2.44	2.12	1.81
55 B 9271 C	20	.034"	2.49	2.16	1.85
55 B 9272 C	18	.042"	2.58	2.23	1.88
55 B 9273 C	16	.063"	2.72	2.35	1.96
55 B 9274 C	14	.066"	3.07	2.49	2.04
55 B 9275 C	12	.085"	3.07	2.64	2.16

Sizes 10 to 2. Size 10, .016" wall thickness; all other sizes, .020". Available in choice of Clear, Black, Red—specify color. Av. shpg. wt. per 100 ft., 10 oz.

55 B 9281 C	10	.106"	3.27	2.81	2.35
55 B 9282 C	8	.133"	4.57	3.89	3.16
55 B 9283 C	6	.166"	5.19	4.41	3.52
55 B 9284 C	4	.208"	6.00	5.08	3.97
55 B 9285 C	2	.263"	6.91	5.84	4.50

Sizes 0 to 3/4". Wall thicknesses, size 0, .020"; .025; .030". Choice of Clear or Black—specify color when ordering. Av. shpg. wt. per 100-ft. coil, 5 lbs.

55 B 9292 C	0	.330"	7.98	6.73	5.14
55 B 9293 C	3/16"	.312"	9.42	7.94	6.04
55 B 9294 C	1/4"	.375"	10.81	9.09	6.91
55 B 9295 C	1/2"	.500"	12.77	10.64	8.07
55 B 9296 C	3/8"	.625"	16.38	15.30	11.73

BRADY SELF-STICKING WIRE MARKERS

Stock No.	Description	Markers per Card	PER CARD
55 B 8396	Consecutive numbers 0-49	150	.30
55 B 8397	Consecutive numbers 50-99	150	.30
55 B 8398	Consecutive numbers 100-132	99	.30
55 B 8399	Consecutive numbers 133-165	99	.30
55 B 8400	Consecutive numbers 166-198	99	.30
55 B 8395	Consecutive letters A-Z	26	.23

ALPHLEX FIT-105 FLEX TUBING

Irradiated polyvinylchloride (PVC) provides snug, flexible insulation. Excellent for insulation over splices. Supplied at "Min. I.D." size shrinks to "Recov. I.D." size in only 7 seconds when heated to 325° F. Supplied in black only. Write, Wire or Phone for Quantities Larger Than Those Listed.

Size	Min. I.D.	Recov. I.D.	Wall Thick.	Stock No.	Wt. Lbs.	Per 25' Coil	Stock No.	Wt. Lbs.	Per 100' Coil
3/4"	.046"	.023"	.020"	55 B 8635	.1	2.95	55 B 8647	.1	9.15
1/2"	.062"	.031"	.020"	55 B 8636	.1	3.06	55 B 8648	.3	9.50
1/2"	.093"	.046"	.020"	55 B 8637	.1	3.48	55 B 8649	.5	10.15
1/2"	.125"	.062"	.020"	55 B 8638	.2	3.25	55 B 8650	1.1	10.70
1/2"	.187"	.093"	.025"	55 B 8639	.3	3.90	55 B 8651	1.4	12.80
1/2"	.250"	.125"	.025"	55 B 8640	.4	4.40	55 B 8652	1.4	16.30
1/2"	.375"	.187"	.030"	55 B 8641	.5	4.75	55 B 8653	2.0	17.75
1/2"	.500"	.250"	.030"	55 B 8642	.8	5.50	55 B 8654	4.5	17.36
1/2"	.750"	.375"	.035"	55 B 8643	1.3	6.90	55 B 8655	5.0	24.50
1"	1.000"	.500"	.040"	55 B 8644	2.2	9.30			
1 1/2"	1.500"	.750"	.045"	55 B 8645	3.9	14.50			
2"	2.000"	1.000"	.050"	55 B 8646	4.5	20.15			

ALPHLEX HEAT-SHRINKABLE FLEXIBLE TUBING

Type PVC FIT-105-MS-1 Assortment. Irradiated polyvinylchloride. Provides snug, flexible insulation for cable jacketing, cable markers. Use as insulation over splices. Supplied at "Min. I.D." size; shrinks to "Recov. I.D." in only 7 seconds when heated to 325° F. Black. Includes 10 tubes, each 6" long, from 3/4" through 1/4" dia. Shpg. wt., 8 oz.

55 B 8658.....4.00



DEARBORN VARNISHED SPAGHETTI TUBING

ASSORTED 10" LENGTHS

Highly popular with servicemen, experimenters and builders. A convenient assortment of 40 pieces of vinyl and cambric spaghetti tubing in a wide variety of colors and diameters. Resists abrasion and offers an indefinite shelf life. Permits quick, easy coding of wiring. Shpg. wt., 3 oz.

55 B 9106, 40-Piece Assortment.....55

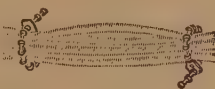
SELECTION OF 36" LENGTHS

5 lengths to a package. 4000-V dielectric. Av. shpg. wt., 2 oz.

For Wire Size	Stock No.				Per Pkg.	5 or More Pkgs. Per Pkg.
	Black	Yellow	Red	Green		
20	55 B 9164	55 B 9165	55 B 9166	55 B 9167	.80	.73
18	55 B 9169	55 B 9170	55 B 9171	55 B 9172	.85	.77
16	55 B 9174	55 B 9175	55 B 9176	55 B 9177	.95	.87
10	55 B 9189	55 B 9190			1.30	1.19

RICHCO CABLE TIES

High-dielectric polyethylene with 45 lb. breaking-point. Withstand temperatures to +120° F. Each is 1/4" long, 4 oz. 100 Per Pkg.



Stock No.	Type	Color	PKG. OF 100
55 B 7056	EZ-10	Red	1.20
55 B 7069	EZ-12	Blue	1.20
55 B 7057	EZ-11	Yellow	1.20

H. H. SMITH CABLE LACING CORD

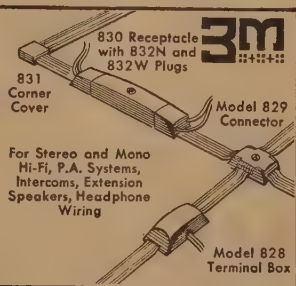
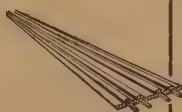
Hard twisting, 8-ply natural-color twin for harness lacing. Pure flax; waxed; fungus resistant and mildew-proof. 50-lb. test.

55 B 9446, Type 738, 235-yd. roll. Wt., 8 oz. .1.68
55 B 9449, Type 739, 470-yd. roll. Wt., 1 lb. .3.18



MINNESOTA MINING SCOTCHFLEX FLAT CABLE

FOR FAST HI-FI, OTHER AUDIO HOOK-UPS



Extra-Thin Pressure Sensitive 4-Conductor Cable Adheres to Virtually Any Surface

You can hook up your audio system fast, easily, neater than ever before. Type 800 flat cable has two paired, stranded conductors—adhesive back sticks firmly to wall, molding, ceiling, floor or virtually any other surface. Type 829 has U terminals which pierce insulation for perfect connections. Type 828 houses two sets of screw terminals. Use of E14 roller assures complete contact of adhesive to supporting surface. Ivory-colored cable with handsome gray plastic accessory units blend into any decor.

Stock No.	Type	Description	Shpg. wt.	Quantity	EACH
55 B 9966	800	4-cond. cable	1 1/2 lbs.	100-ft. roll	9.45
55 B 9967	828	Terminals	7 oz.	box of 10	12.20
55 B 9968	829	Connectors	3 oz.	box of 10	7.20
55 B 9969	830	Receptacles	10 oz.	box of 10	8.40
55 B 9970	832W	Wide plugs	3 oz.	box of 10	3.50
55 B 9971	832N	Narrow plugs	3 oz.	box of 10	3.50
55 B 9964	831	Corner covers	2 oz.	box of 10	1.20
55 B 9965	E14	Hand roller	10 oz	box of one	1.89

You Get More for Your Money At Allied

ALLIED 353

Graphic Art, Printed Circuit and Lettering Kits

KEPRO PC KIT SUPPLIES

Replacement materials for Kepro PC kits, or for those already engaged in PC work. Type S-2 and P-2 have foil on both sides, S-1 and P-1, one side only. S is photosensitized coated. 5 sheets per package.

G-10 1/4" GLASS EPOXY SHEETS

Av. shpg. wt., 1/2 lb. per pkg.

Stock No.	Type	Description	Size	PKG.
47 B 0930	S1-335G	Light sens.	3x3"	3.70
47 B 0932	S1-365G	Light sens.	3x6"	6.65
47 B 1007	S2-335G	Light sens.	3x3"	4.55
47 B 1012	S2-365G	Light sens.	3x6"	8.15

XXXX 1/4" PHENOLIC SHEETS

Av. shpg. wt., 1/2 lb. per pkg.

Stock No.	Type	Description	Size	PKG.
47 B 0594	PI 3651PB	Perf. Unsen.	3x6"	2.40
47 B 0599	P2-365	Perf. Unsen.	3x6"	2.55
47 B 0679	S1-335	Light sens.	3x3"	2.15
47 B 0681	S1-365	Light sens.	3x6"	3.55
47 B 0731	S2-365	Light sens.	3x6"	5.05

CHEMICALS

Shpg. wt., 6 oz. except pints, 3 lbs.

Stock No.	Type	Description	Size	PKG.
47 B 1102	RMP-700	Resist pen	2 oz.	.75
47 B 1104	R-2	Paint resist	2 oz.	.60
47 B 1106	T-2	Resist thin	2 oz.	.50
47 B 1107	D-1PT	Developing solution	Pint	1.15
47 B 1159	E-1PT	Etching solution	Pint	.85

DATAK DRY STENCIL LETTERS



Electronic Equipment Title Set. Complete set of pre-printed titles for 95% of electronic markings. Instant dry-transfer process; 24 easy-to-handle sheets, 3x5", in black or white letters. Shpg. wt., 4 oz.

Stock No.	Type	Description	Color	E.A.
23 B 7780	958	Title Set	Black	4.95
23 B 7781	959	Title Set	White	4.95
23 B 7782	960	Refill Alphabet	Black	2.50
23 B 7783	961	Refill Alphabet	White	2.50
23 B 7784	962	Refill Numerals	Black	2.50
23 B 7785	963	Refill Numerals	White	2.50

Terminal and Chassis Set. 24 sheets, letters and numerals, in black or white, 3 oz.

23 B 7452	966	Term./Chas. Set	Black	4.95
23 B 7454	967	Term./Chas. Set	White	4.95

Electronic Symbol Drafting Set. Dry-transfer symbols. All you draw are connecting leads. Opaque black, reproduction quality. 8 oz.

23 B 7455. Contains 40 Sheets.....15.95

968 Meter and Dial Marking Set. 12 sheets in black, white and red, with designs, letters, numerals for dials, panels. 4 oz.

23 B 7456.....4.95

971 Logic Diagram Symbols Kit. Size same as full scale MIL STD 806 B Spec and ASA STD Y 32 and 14. Line width, .020", blends with #2 Rapidograph pen or 2H pencil. Black. Eight 4 1/2 x 7 1/4" sheets. 3 oz.

23 B 7462.....3.50

Protective Coatings. Colorless coatings protect instant lettering transfers. Aerosol spray cans. Datakoat is for metal and other non-porous surfaces.

Stock No.	Type	Oz.	E.A.
23 B 7457	Protect. spray-matte	16	2.95
23 B 7458	Protect. spray-gloss	16	2.95
23 B 7460	Datakoat spray-gloss	16	2.95
23 B 7461	Datakoat spray-matte	16	2.95
23 B 7459	Datakoat brush-on	3	11.00

KEPRO NAMEPLATE AND PRINTED CIRCUIT KITS

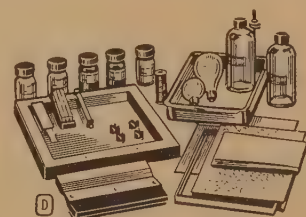


A P-101A Etched Circuit Kit. Uses photo-etching process to produce professional-quality etched circuits. With 3 XXXP phenolic boards (two 3x6", one 3x3"), 2 sheets mechanical negatives; solutions and accessories. Shpg. wt., 3 lbs.
47 B 1036.....5.85
47 B 1037. P-101A-G Kit. As above, but with G-10 glass epoxy boards. 3 lbs.....7.40

B NP-303A Enamel Nameplate Kit. Photo process makes aluminum letters on blue enamel. With two 8x10x.007" plates; solutions, accessories. Shpg. wt., 1 lb.
47 B 1206.....7.25
NP-404 Anodized Aluminum Nameplate Kit. Makes aluminum letters on anodized black background. With three 3x6x.025" plates, solutions and accessories. 1 1/2 lbs.
47 B 1207.....6.55

MICRO-CIRCUITS S-21 KIT

C All materials to paint electronic circuits. Includes brush, conducting paint, resistance paints, lacquer, solvent and accessories. Shpg. wt., 1 1/4 lbs.
47 B 0164.....23.11



D) COMPLETE SILK SCREEN KIT

Model SC-601A. Everything for making three 7x9" silk screens. Produces lacquer resistant, film-type photo stencils for screen printing of etched circuit boards, nameplates, instrument panels, or decorative printing. With 10x12" screen frame with silk; two 14x16" screen silks; package of three 8x10" stencil film; #2 photo flood lamp; 8 1/2 x 11 1/2" print frame; complete set of chemicals; tray, thermometer and ink. Shpg. wt., 13 lbs.
47 B 1033 U.....35.00

KEPRO KITS FOR MAKING ETCHED CIRCUITS



E) PRINTED-CIRCUIT LAB KIT

Model L-505A. For PC boards to 70 sq. in. from prototypes to short production runs. Has: 15 ass'd. photo-sensitized, copper-clad phenolic XXXP boards; trays; safe-light; photo flood lamp; printing frame; PL-2A Layout Kit; mechanical negative; solutions; pen, eyelets, cleaning pad.
47 B 1034 U. Wt., 18 1/4 lbs.....34.75
L-505A-G. As above, but with G-10 glass epoxy circuit boards. 19 1/2 lbs.
47 B 1035 U.....42.95

KEPRO TWO-STEP PHOTO-REVERSING KIT

FK-701. Simple two-step process makes line negatives and positives from taped or ink artwork, or reverses existing negatives and positives. With two 10x24" reversing films, chemicals. Shpg. wt., 1 1/4 lbs.
47 B 0160.....7.20
47 B 0161. Extra Reversing Film. Wt., 2 oz.....3.00
47 B 0162. Extra RFD-2 Developer. Wt., 2 oz......60

KEPRO PHOTO LAYOUT KIT

PL-2A. Eliminates necessity of inking and lettering through use of mechanical negative and pressure-sensitive characters. Layout time is reduced—errors easily corrected. Kit includes: tape dots; two tape strips; letters and numerals; acetate sheet; mechanical negative; layout paper and instructions. Shpg. wt., 1 lb.
47 B 1016.....3.95

KEPRO AND BRADY PHOTO LAYOUT SUPPLIES

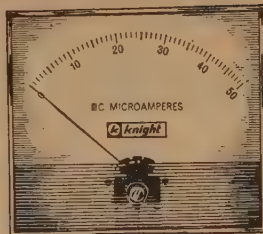
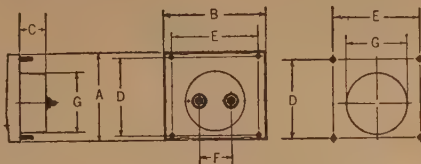
*Brady Black, self-sticking strips for PC drafting. Photographs opaque without highlights.

Stock No.	Mfr's Type	Description	EACH
47 B 1025	MN-1212	12x12" Mechanical Negative	1.25
47 B 0166	TC125-031	Terminal Circles 1/8" O.D. (112 per card)	.50
47 B 0200	TC250-062	Terminal Circles 1/4" O.D. (96 per card)	.50
47 B 0263	TC500-125	Terminal Circles 1/2" O.D. (42 per card)	.50
47 B 0419	*CSR062	Connector Strips 1/8" wide (Pkg./3; 18 yds. per roll)	2.40
47 B 0450	*CSR125	Connector Strips 1/4" wide (Pkg./2; 18 yds. per roll)	1.60
47 B 0459	*CSR250	Connector Strips 1/2" wide (Pkg./2; 18 yds. per roll)	1.80
47 B 1027	AT-810	Pressure-Sensitive Letters and Numerals on transparent base. (3 sizes, 4 fonts). 4 oz.	2.50

Knight, Emico and Simpson Panel Meters

KNIGHT 3 1/2" AND 4 1/2" AC AND DC PANEL METERS

Dim.	3 1/2"	4 1/2"
A	3 1/2"	4 1/2"
B	3 1/2"	4 1/2"
C	1 1/2"	1 1/2"
D	2 1/4" sq.	3 1/4" x 4"
E	1 1/2"	1 1/2"
F	2 3/4"	2 3/4"



Allied's own full line of Knight panel meters—dependable low-cost, clear-view meters styled to give your equipment a modern appearance. Feature shielded external-magnet meter movements in both AC and DC models—can be mounted on ferrous panels without loss

of accuracy. Modern face, knife-edge pointer and crystal-clear plastic cover for easy reading. All mounting and terminal hardware is included for easy installation. Terminals: #10-32x2 1/4". Mounting studs: 3/16". Av. shpg. wt., 1 lb.

3 1/2" SQUARE METERS

Stock No.	Range	EACH	Stock No.	Range	EACH
52 B 7201	0-50 μ A DC	13.43	52 B 7226	0-15 amps DC	11.92
52 B 7202	0-100 μ A DC	12.37	52 B 7275	0-15 V DC	11.97
52 B 7203	0-200 μ A DC	11.92	52 B 7219	0-50 V DC	11.97
52 B 7204	25-25 μ A DC	13.60	52 B 7220	0-100 V DC	11.97
52 B 7209	0-1 mA DC	11.25	52 B 7221	0-150 V DC	11.97
52 B 7210	0-3 mA DC	11.25	52 B 7340	0-5 amps AC	10.81
52 B 7211	0-15 mA DC	11.25	52 B 7341	0-10 amps AC	11.77
52 B 7212	0-100 mA DC	11.92	52 B 7229	0-150 V AC	15.70
52 B 7213	0-200 mA DC	11.92	52 B 7230	0-300 V AC	15.70
52 B 7225	0-10 amps DC	11.92			

4 1/2" SQUARE METERS

Stock No.	Range	EACH	Stock No.	Range	EACH
52 B 7205	0-50 μ A DC	13.39	52 B 7228	0-15 amps DC	11.88
52 B 7206	0-100 μ A DC	12.30	52 B 7276	0-15 V DC	11.99
52 B 7207	0-200 μ A DC	11.88	52 B 7222	0-50 V DC	11.99
52 B 7208	25-25 μ A DC	13.57	52 B 7223	0-100 V DC	11.99
52 B 7214	0-1 mA DC	11.22	52 B 7224	0-150 V DC	11.99
52 B 7215	0-3 mA DC	11.22	52 B 7342	0-5 amps AC	12.05
52 B 7216	0-15 mA DC	11.22	52 B 7343	0-10 amps AC	12.05
52 B 7217	0-100 mA DC	11.88	52 B 7231	0-150 V AC	15.70
52 B 7218	0-200 mA DC	11.88	52 B 7232	0-300 V AC	15.70
52 B 7227	0-10 amps DC	11.88			

DC MILLIAMMETERS

Model NF-2C			Model RF-2C			Model RF-2 1/4C			Model 13		
Range	Stock No.	EACH	Stock No.	EACH	Stock No.	EACH	Stock No.	EACH	Stock No.	EACH	
0-1	52 B 7609	3.70	52 B 7614	3.80	52 B 8012	4.05	52 B 6023	4.05			
0-5	52 B 8970	2.65	52 B 8971	2.75	52 B 6022	3.00	52 B 6024	3.00			
0-10	52 B 7600	2.50	52 B 7615	2.60	52 B 8013	2.85	52 B 6025	2.85			
0-20	52 B 7601	2.15	52 B 7616	2.25	52 B 8014	2.60	52 B 6026	2.60			
0-30	52 B 7602	2.15	52 B 7617	2.25	52 B 8015	2.60	52 B 6027	2.60			
0-50	52 B 7603	2.15	52 B 7618	2.25	52 B 8016	2.60	52 B 6028	2.60			
0-100	52 B 7604	2.15	52 B 7619	2.25	52 B 8017	2.60	52 B 6029	2.60			
0-150	52 B 7605	2.15	52 B 7620	2.25	52 B 8018	2.60	52 B 6030	2.60			
0-200	52 B 7606	2.15	52 B 7621	2.25	52 B 8019	2.60	52 B 6031	2.60			
0-300	52 B 7607	2.15	52 B 7622	2.25	52 B 8020	2.60	52 B 6032	2.60			
0-500	52 B 7608	2.15	52 B 7623	2.25	52 B 8021	2.60	52 B 6033	2.60			

AC VOLTMETERS

0-15	52 B 7665	3.35	52 B 7670	3.45	52 B 8022	3.75	52 B 6034	3.75
0-50	52 B 7678	3.35	52 B 7671	4.05	52 B 8023	2.45	52 B 6035	4.45
0-150	52 B 7666	4.50	52 B 7672	4.55	52 B 8024	4.95	52 B 6036	4.95
0-300	52 B 7667	4.50						

DC AMMETERS

0-1	52 B 8972	2.15	52 B 8973	2.25	52 B 8025	2.60		
0-5	52 B 8974	2.15	52 B 8975	2.25	52 B 6043	2.60		
0-10	52 B 7650	2.15	52 B 7656	2.25	52 B 6044	2.60	52 B 6070	2.60
0-15	52 B 6039	2.15	52 B 6041	2.25	52 B 6045	2.60	52 B 6073	2.60
0-20	52 B 8976	2.15	52 B 8977	2.25	52 B 6046	2.60		
0-30	52 B 6040	2.15	52 B 6042	2.25	52 B 6047	2.60	52 B 6080	2.60
0-50	52 B 7651	2.15	52 B 7657	2.25			52 B 6082	2.60
20-200	52 B 7652	2.15			52 B 8027	2.60	52 B 6083	2.60
10-30	52 B 7653	2.15	52 B 7659	2.25	52 B 8028	2.60		

DC VOLTMETERS

0-3	52 B 7630	2.15	52 B 7636	2.25	52 B 8082	2.60	52 B 6168	2.60
0-10	52 B 7631	2.15	52 B 7637	2.25	52 B 8083	2.60	52 B 6188	2.60
0-15	52 B 7632	2.15	52 B 7638	2.25	52 B 8084	2.60	52 B 6189	2.60
0-20	52 B 6090	2.15	52 B 6169	2.25	52 B 6092	2.60	52 B 6190	2.60
0-30	52 B 6091	2.15	52 B 6193	2.25	52 B 6093	2.60	52 B 6191	2.60
0-50	52 B 8980	2.15	52 B 8981	2.25	52 B 6096	2.60	52 B 6192	2.60
0-50	52 B 8982	2.15	52 B 8983	2.25	52 B 6097	2.60		

AC AMMETERS

0-1	52 B 8984	3.35	52 B 8985	3.45				
0-5	52 B 7646	3.35	52 B 7648	3.45	52 B 8085	3.75	52 B 6195	3.75
0-10	52 B 7647	3.35	52 B 7649	3.45	52 B 8086	3.75		

AC MILLIAMMETERS

0-500	52 B 7640	3.35	52 B 7643	3.45	52 B 8029	3.75	52 B 6212	3.75
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CHOOSE FROM OUR GIANT STOCK OF PANEL METERS

Allied offers the largest selection of panel meters found anywhere. Knight, Simpson, Triplett, API, Emico, and G.E. are stocked in depth. Write for information on any meter application.

All Meters Are Calibrated in Steel Panels—Precision Accuracy Is Not Affected by Metal Panels

SIMPSON WIDE-VUE VU METERS

Simpson meters have plastic covers for wide-angle readability and maximum protection. Model 1349 has 2.75" body diameter; 1.08" depth; 4.00x4.68" flange; 3.93" scale length. With accuracy of $\pm 2\%$. Av. shpg. wt., 1 lb.

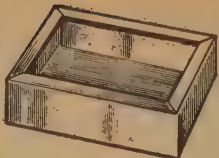
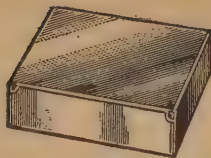
VU METERS

Model 1349—A Scale 4½"	Range	Model 1349—B Scale—4½"
52 B 8949	Each 29.10	52 B 8950
Each 29.10	—20 to 3	Each 29.10



Specify Stock No., Range and Model No. on All Meter Orders

Bud Metal Products



Allied stocks the complete line of Bud Metal Products for immediate shipment. Bud items not listed in this catalog are available from Allied. Contact us for prices or other information.

STANDARD CHASSIS BASES

Have one-piece construction; corners are reinforced and spot-welded. The four sides are folded at the bottom for additional strength. Aluminum types are spot-welded. Steel chassis gauges: *No. 22; †No. 20; ‡No. 18. Aluminum chassis gauges: †No. 18; **No. 16; ††No. 14. Order bottom plates, below. AC-403; 2x9½x5".

HxWxD Inches	Black-Wrinkle Steel				Zinc-Plated Steel				Natural-Finish Aluminum			
	Stock No.	Type	Lbs.	EACH	Stock No.	Type	Lbs.	EACH	Stock No.	Type	Lbs.	EACH
2x7x5	42 B 7820	CB-628*	1	1.30	42 B 7884	CB-629*	1	2.50	42 B 7846	AC-402†	½	1.45
2½x9½x5	42 B 7821	CB-644*	1 ¼	1.65	42 B 7898	CB-645*	1 ¼	1.65	42 B 7847	AC-403†	½	1.55
3x5x5									42 B 7905	AC-429**	¾	1.75
3x9½x5									42 B 7848	AC-421†	¾	2.00
3x10x5	42 B 7823	CB-604*	1 ¼	1.55	42 B 7878	CB-605*	1 ¼	2.25	42 B 7855	AC-404†	¾	2.00
3x13x5									42 B 7906	AC-422**	¾	2.30
3x14x6	42 B 7824	CB-755†	1 ½	2.15	42 B 7900	CB-756†	1 ½	2.50	42 B 7139	AC-4141**	1	2.80
2x7x7	42 B 7825	CB-789†	1 ½	1.50	42 B 7879	CB-1191†	1 ½	1.80	42 B 7849	AC-405†	¾	1.65
2x9x7	42 B 7826	CB-790†	1 ½	1.70	42 B 7880	CB-1192†	1 ½	1.95	42 B 7850	AC-406†	¾	1.75
2x11x7	42 B 7827	CB-791†	1 ½	1.75	42 B 7881	CB-1193†	1 ½	2.05	42 B 7851	AC-407†	¾	2.00
3x12x7	42 B 7828	CB-792†	1 ¾	1.95	42 B 7882	CB-793†	1 ¾	2.55	42 B 7852	AC-408†	1	2.40
3x14x7	42 B 7829	CB-793†	1 ¾	1.95	42 B 7883	CB-1194†	1 ¾	2.65	42 B 7853	AC-409†	1	2.10
2½x13½x5	42 B 7207	CB-646†	2	2.15	42 B 7320	CB-1198†	2	2.65				
3x15x7	42 B 7208	CB-649†	3	2.40	42 B 7321	CB-1189†	2 ¼	2.90	42 B 7340	AC-411**	1 ½	3.30
3x15x8½	42 B 7209	CB-665†	3 ½	2.70	42 B 7322	CB-666†	3	3.30	42 B 7145	AC-1420**	2 ½	2.90
3x17x4	42 B 7210	CB-1068†	3 ¼	2.20	42 B 7323	CB-1066†	2 ¼	2.60	42 B 7341	AC-412**	1 ½	2.85
2½x11x7	42 B 7211	CB-650†	3 ¼	2.40	42 B 7324	CB-774†	2 ¼	2.60	42 B 7142	AC-417**	1 ½	3.00
3x17x7	42 B 7212	CB-757†	2 ½	2.40	42 B 7325	CB-758†	3	3.15	42 B 7342	AC-423**	1 ½	3.35
2½x10x8	42 B 7213	CB-701†	2	2.10	42 B 7326	CB-702†	2	2.40	42 B 7143	AC-1418**	2 ½	2.50
2½x12x8	42 B 7214	CB-703†	2 ½	2.15	42 B 7327	CB-704†	2	2.70	42 B 7144	AC-1419**	2 ½	2.80
3x12x8	42 B 7215	CB-759†	3 ½	2.25	42 B 7328	CB-760†	2 ¼	2.85	42 B 7907	AC-424**	1 ½	2.95
3x14x8	42 B 7217	CB-651†	3 ½	2.50	42 B 7329	CB-775†	3 ½	2.50	42 B 7257	AC-412**	1 ½	3.45
3x17x8	42 B 7220	CB-652†	3	2.30	42 B 7901	CB-1195†	3	2.75	42 B 7854	AC-413**	1 ½	3.30
3x12x10	42 B 7830	CB-653†	4	2.50	42 B 7902	CB-779†	4	2.95	42 B 7908	AC-414**	1 ½	3.45
3x14x10	42 B 7831	CB-654†	3 ¼	2.40	42 B 7284	CB-769†	3	2.90	42 B 7346	AC-415**	1 ½	3.30
2x17x10	42 B 7221	CB-655†	3 ¼	2.40	42 B 7331	CB-662†	4 ½	4.45	42 B 7347	AC-416**	1 ½	3.30
3x17x10	42 B 7222 X	CB-656†	3 ¼	2.40	42 B 7332 X	CB-1197†	4 ½	4.15	42 B 7148	AC-1423††	1 ½	5.40
2x17x11	42 B 7227 X	CB-657†	4 ½	2.85	42 B 7333 X	CB-770†	4 ½	3.40	42 B 7258 X	AC-420††	2 ½	4.20
3x17x11	42 B 7228 X	CB-658†	5 ¼	3.35	42 B 7280 X	CB-771†	4 ½	4.25	42 B 7259 X	AC-417††	2 ½	4.85
2x17x12	42 B 7229 X	CB-663†	4 ½	2.95	42 B 7334 X	CB-661†	5	3.75	42 B 7150	AC-1425**	1 ½	4.40
3x17x12	42 B 7230 X	CB-664†	5 ¼	3.50	42 B 7281 X	CB-772†	5 ½	4.45	42 B 7348 X	AC-419††	2 ½	4.30
2x17x13	42 B 7231 X	CB-659†	4 ½	3.50	42 B 7282 X	CB-773†	6 ½	4.95	42 B 7260 X	AC-420††	2 ½	5.15
3x17x13	42 B 7232 X	CB-660†	6 ¼	4.15	42 B 7283 X	CB-641†	6 ½	4.30	42 B 7261 X	AC-421††	2 ½	5.50
4x17x13	42 B 7233	CB-648	5 ¼	3.60	42 B 7335	CB-643†	6 ½	5.65	42 B 7262	AC-428††	3 ½	6.40
4x17x13	42 B 7234 X	CB-642†	7 ½	4.75	42 B 7336 X	CB-643†	7 ½	6.50	42 B 7167	AC-1426**	2 ½	8.75
4x17x10	42 B 7235	CB-651†	7 ½	4.75	42 B 7337 X	CB-626†	7 ½	7.15				
5x17x13	42 B 7236 X	CB-625†	7 ½	4.75	42 B 7338 X							

BOTTOM PLATES FOR CHASSIS BASES

Bottom plates to fit the chassis bases listed above. Ideal for shielding and for protecting components and wiring from dust and damage. In black-wrinkle finish or zinc-plated heavy-gauge steel and natural-finish

aluminum (Alloy 5005 H-14). Have four embossed feet in corners to prevent marring and scratching table-tops, shelves, or other surfaces. Drilled for use with No. 6 self-tapping screws.

Size	Wt., Lbs.	Black-Wrinkle				Zinc-Plated				Natural-Finish Aluminum			
		Stock No.	Type No.	Lbs.	EACH	Stock No.	Type No.	Lbs.	EACH	Stock No.	Type No.	Lbs.	EACH
5x7	½	42 B 7654	BP-706	.65		42 B 7674	BP-706	.75		42 B 7694	BPA-1590	¼	.80
5x9 ¼	¾	42 B 7655	BP-680	.70		42 B 7675	BP-667	.85		42 B 7695	BPA-1590	¼	.85
5x10 ½	1	42 B 7656	BP-681	.90		42 B 7676	BP-668	1.05		42 B 7696	BPA-1590	¼	.90
7x7	1	42 B 7657	BP-681	1.00		42 B 7677	BP-668	1.05		42 B 7697	BPA-1592	¾	.85
7x9	1	42 B 7658	BP-682	1.05		42 B 7678	BP-669	1.10		42 B 7698	BPA-1593	¾	.90
7x11	1	42 B 7659	BP-683	1.05		42 B 7679	BP-670	1.20		42 B 7699	BPA-1594	¾	1.00
7x12	1 ¼	42 B 7660	BP-537	1.20		42 B 7680	BP-539	1.40		42 B 7700	BPA-1595	¾	1.05
7x13	1 ¼	42 B 7661	BP-684	1.10		42 B 7676	BP-671	1.30		42 B 7701	BPA-1591	¾	1.10
5x13 ¾	1 ¼	42 B 7662	BP-685	.90		42 B 7682	BP-672	1.10		42 B 7167	BPA-1510	½	1.30
4x17	1 ½	42 B 7663	BP-1069	1.00		42 B 7683	BP-1067	1.30		42 B 7163	BPA-1532	¾	.90
7x17	1 ½	42 B 7664	BP-686	1.00		42 B 7684	BP-673	1.50		42 B 7174	BPA-1517	¾	1.45
8x10	1 ½	42 B 7668	BP-707	1.00		42 B 7685	BP-708	1.15		42 B 7175	BPA-1518	¾	1.30
8x12	1 ½	42 B 7665	BP-709	1.15		42 B 7686	BP-712	1.30		42 B 7176	BPA-1519	¾	1.60
8x17	1 ½	42 B 7666	BP-687	1.05		42 B 7687	BP-674	1.70		42 B 7177	BPA-1520	¾	1.70
10x12	1 ½	42 B 7667	BP-688	1.05		42 B 7688	BP-675	1.75		42 B 7180	BPA-1523	¾	1.65
10x14	1 ½	42 B 7669	BP-517	1.55		42 B 7689	BP-514	1.65		42 B 7181	BPA-1524	¾	1.65
10x17	1 ½	42 B 7670	BP-689	1.30		42 B 7690	BP-676	1.75		42 B 7702	BPA-1597	¾	1.65
11x17	1 ½	42 B 7671 X	BP-690	1.60		42 B 7691 X	BP-677	2.05		42 B 7182	BPA-1527	¾	1.65
12x17	2	42 B 7672 X	BP-691	1.40		42 B 7692 X	BP-678	2.05		42 B 7185	BPA-1528	¾	2.20
13x17	2 ¼	42 B 7673 X	BP-692	1.60		42 B 7693 X	BP-679	2.45		42 B 7703 X	BPA-1598	¾	2.30

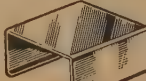
OPEN-END ALUMINUM CHASSIS



Heavy-gauge, U-shaped construction with ends folded over ¼". For any cabinet, but ideally match Bud units listed in table, below. Av. shpg. wt. 1 lb.

Stock No.	Type	HxWxD	For EACH
42 B 7801	CB-40	1½x7x5"	1.05
42 B 7802	CB-31	1½x7x7"	1.35
42 B 7804	CB-996	1½x9x5½"	1.30
42 B 7805	CB-970	1½x9x7½"	1.70
42 B 7807	CB-997	1½x11x7"	1.95
42 B 7808	CB-998	1½x13x7"	1.60
42 B 7800	CB-38	2x6x7"	1.95
42 B 7803	CB-39	2x8x7"	1.50
42 B 7806	CB-40	2x10x7"	1.30

MINIATURE ALUMINUM CHASSIS



Open-end aluminum chassis for limited space applications. Ideal for cabinet, but ideally match Bud units listed in table below. ¼" mounting flanges. Av. shpg. wt. ¾ lb.

Stock No.	Type	HxWxD	For E.A.
42 B 7810	CB-1624	1x3½x1¼"	CU-883 .50
42 B 7816	CB-1017	1x3½x2"	CU-1006 .50
42 B 7812	CB-1626	1x4x2½"	CU-728 .55
42 B 7817	CB-1618	1x4x2½"	CU-1607 .60
42 B 7818	CB-1619	1x5½x4"	CU-1608 .65
42 B 7819	CB-1620	1x6x4"	CU-1609 .65
42 B 7809	CB-1623	1x2x3x2½"	CU-1605 .45
42 B 7814	CB-1628	1x6x6x3"	CU-1788 .65
42 B 7813	CB-1627	1x4x4x3½"	CU-729 .55
42 B 7815	CB-1629	1x4x4x5½"	CU-1098 .70
42 B 7811	CB-1625	1x2x3x3½"	CU-1788 .60

PLASTIC CASES AND PANELS



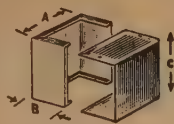
Molded black plastic cases and panels designed for test instrument mounting. Sturdily constructed to protect components. Receive bosses for flange mounting of covers. Drilled for ½" No. 6 self-tapping screws except stamped for 4-36x½" screws. Walls and covers are ¼" thick.

CASES			
Stock No.	Size HxWxD	Wt., Lbs.	EACH
42 B 7895	*2½x4x1½"	1	.37
42 B 7892	6½x3½x2½"	2 ½	.62
42 B 7886	6½x5½x2½"	2	.84
MATCHING COVERS			
42 B 7887	6x3½x3"	½	.48
42 B 7888	6½x3½x3"	1	.60

Bud Metal Cabinets and Cases

ALUMINUM MINIBOXES

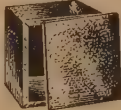
Two-piece aluminum boxes with gray hamertone or natural aluminum finish. Particularly suited for sub-assemblies. May be used for amplifiers, converters, TVI filters, test units, etc. Two-piece construction permits easy access to circuitry. Flat top for low RF leakage and high rigidity. Dual-purpose snap locks permit quick assembly and disassembly; also permit use with self-tapping screws (supplied).



Size AxCxB	Shpg. Wt. Lbs.	Gray Hamertone	Type CU-	EA.	Natural Aluminum	Type CU-	EACH
2 1/2 x 2 1/2 x 1 3/8"	1/4	42 B 7616	2100A	-80	42 B 7634	3000A	-70
3 1/2 x 2 1/2 x 1 3/8"	1/4	42 B 7633	2117A	-80	42 B 7651	3017A	-75
3 1/2 x 2 1/2 x 1 3/8"	1/4	42 B 7617	2101A	-85	42 B 7635	3001A	-70
4 1/2 x 2 1/2 x 1 3/8"	1/2	42 B 7631	2115A	-140	42 B 7649	3013A	-90
4 1/2 x 2 1/2 x 1 3/8"	1/2	42 B 7618	2102A	-90	42 B 7636	3002A	-75
4 1/2 x 2 1/2 x 1 3/8"	1/4	42 B 7619	2103A	-100	42 B 7637	3003A	-90
4 1/2 x 2 1/2 x 1 3/8"	1/4	42 B 7632	2116A	-100	42 B 7650	3016A	-90
5 1/2 x 2 1/2 x 1 3/8"	1/4	42 B 7620	2104A	-105	42 B 7638	3004A	-95
5 1/2 x 2 1/2 x 1 3/8"	1/4	42 B 7621	2105A	-140	42 B 7639	3005A	-110
5 1/2 x 2 1/2 x 1 3/8"	1/4	42 B 7622	2106A	-100	42 B 7640	3006A	-100
5 1/2 x 2 1/2 x 1 3/8"	3/4	42 B 7623	2107A	-175	42 B 7641	3007A	-125
7 x 5 x 3 1/2"	1 1/4	42 B 7624	2108A	-200	42 B 7642	3008A	-160
7 x 5 x 3 1/2"	1 1/4	42 B 7625	2109A	-255	42 B 7643	3009A	-205
10 x 6 x 3 1/2"	1 1/2	42 B 7629	2113A	-140	42 B 7647	3013A	-110
10 x 6 x 3 1/2"	1 1/4	42 B 7626	2110A	-285	42 B 7644	3010A	-225
12 x 2 1/2 x 2 1/2"	3/4	42 B 7630	2114A	-185	42 B 7648	3014A	-150
12 x 7 x 3 1/2"	1 1/4	42 B 7627	2111A	-345	42 B 7645	3011A	-310
17 x 5 x 4"	2 1/4	42 B 7628	2112A	-385	42 B 7646	3012A	-310

UTILITY CABINETS

Metal utility cabinets for all types of electronic equipment. Excellent for housing receivers, monitors, VFO's, test equipment, frequency meters, transmitters, etc. Well adapted for shielding of high gain preamplifiers, RF sections, other special circuits. Two removable panels attach to flanges with self-tapping screws. *Gray aluminum.



Size, HxWxD	Mfr's Type	Wt., Lbs.	Black Steel	Gray Steel	EACH
4x4x2"	CU883	3/4	42 B 7856	42 B 7606	1.30
4x5x3 1/2"	CU128	1 1/4	42 B 7857	42 B 7607	1.70
6x5x4"	CU729	1 1/4	42 B 7858	42 B 7608	1.70
6x6x6"	CU1098	2 1/2	42 B 7859	42 B 7609	2.55
9x6x5"	CU1099	3	42 B 7860	42 B 7610	2.85
10x8x7"	CU870	5	42 B 7861	42 B 7611	4.05
10x10x8"	CU880	5 1/2	42 B 7862	42 B 7612	3.95
12x7x6"	CU1124	4	42 B 7863	42 B 7613	3.95
12x11x8"	CU881	6	42 B 7864	42 B 7614	5.30
15x9x7"	CU882	7 1/2	42 B 7865	42 B 7615	5.45

Size, HxWxD	Mfr's Type	Wt., Lbs.	Natural Aluminum	EACH	Hammertone Aluminum	EACH
4x4x2"	AU-1083 1/4	1/4	42 B 8543	1.55	42 B 8548	1.80
4x5x3 1/2"	AU-1028 1/4	1/4	42 B 8544	1.65	42 B 8549	2.05
5x5x4"	AU-1029 1/4	1/4	42 B 8545	1.85	42 B 8550	2.20
6x6x6"	AU-1030 1/4	1/4	42 B 8546	2.05	42 B 8551	2.40
9x6x5"	AU-1040 1	1	42 B 8547	3.05	42 B 8552	3.40

UNIVERSAL SLOPING-PANEL CABINETS

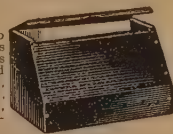
versatile, streamlined sloping-panel cabinets available in steel or aluminum. Offer enough space to house a two or three miniature-tube amplifier or gadget. Sides and one-piece detachable back fasten to the body with self-tapping screws for easy service and replacement components. Fully enclosed to exclude dust and moisture. Easily accommodate most small units. All units are 4" high, 4 1/4" deep. Finished in attractive gray hamertone.



Width	Steel Stock No.	Type	Shpg. Wt., Lbs.	EA.	Aluminum Stock No.	Type	Shpg. Wt., Lbs.	EA.
4"	42 B 8642	1606	3/4	1.75	42 B 8646	1610	1/2	2.05
4"	42 B 8643	1607	3/4	1.85	42 B 8647	1611	1/2	2.15
6"	42 B 8644	1608	1 1/4	2.00	42 B 8648	1612	3/4	2.30
7"	42 B 8645	1609	1 1/4	2.30	42 B 8649	1613	3/4	2.55

SLOPING-PANEL CABINETS

sloping-panel steel cabinets with hinged top for easy access to tubes and top-of-chassis components. Removable front panel permits easy attachment of chassis. Fit following sized chassis: Type C-1584, 7x6x2 1/2"; Type C-1585, 8x7x2 1/2"; Type C-1586, 7x10x2 1/2"; Type C-1587, 7x12x2 1/2"; Type C-1588, 7x9x2 1/2"; Type C-1589, 7x12x2 1/2"; Type C-1590, 7x10x2 1/2"; Type C-1591, 7x12x2 1/2"; Type C-1592, 7x12x2 1/2"; Type C-1593, 10x17x3 1/2"; Type C-1594, 7x13x2 1/2"; Type C-1595, 10x17x3 1/2".

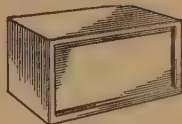


SPECIFY BLACK WRINKLE OR LIGHT GRAY HAMMERTONE

Stock No.	Mfr's Type	Size HxWxD	Wt., Lbs.	EACH
12 B 7466 C	C-1584	6 1/2 x 7 1/2 x 2 1/2"	2 1/2	3.80
12 B 7467 C	C-1585	6 1/2 x 9 x 2 1/2"	3 1/4	4.25
12 B 7468 C	C-1586	6 1/2 x 10 x 2 1/2"	3 1/2	5.61
12 B 7469 C	C-1587	8 x 13 x 2 1/2"	5 1/4	6.90
12 B 7470 CX	C-1593	10 x 18 x 3 1/2"	12 1/4	9.10
12 B 7471 C	C-1587	8 x 8 1/2 x 7 1/2"	2 1/4	5.25
12 B 7472 C	C-1588	8 x 10 1/2 x 7 1/2"	3 1/4	5.80
12 B 7473 C	C-1589	8 x 12 1/2 x 7 1/2"	3 1/4	6.15
12 B 7475 CX	C-1596	9 x 18 x 8 1/2"	6 1/4	8.85

MULTI-PURPOSE FUTURA CABINETS

Cabinet has removable top and side. The front panel is flange held, no screws are required. Body and rear panel are of 20 gauge steel; front panel, both vertical and 15° incline, are of 18 gauge steel. Each has four rubber feet mounted on base. Chassis may be mounted to the base, front or to the rear panel. Cabinets come with a smooth blue or gray finish. Specify finish desired.



Stock No.	Type MD.	Size HxWxD	Panel Style	Wt., Lbs.	EACH
42 B 8732 CX	1960	7x13x8"	Vertical	6 3/4	8.25
42 B 8733 CX	1961	8x14x9"	Vertical	7 3/4	8.80
42 B 8734 CX	1962	8x16x9"	Vertical	8 1/2	8.85
42 B 8735 CX	1963	7x13x8"	Inclined	7	9.65
42 B 8736 CX	1964	8x14x9"	Inclined	8	10.30
42 B 8737 CX	1965	8x16x9"	Inclined	8 3/4	11.00

"TRANSICASE" PORTABLE INSTRUMENT CASE

Impressive-looking portable instrument case for all types of electrical and electronic devices. Made of .040" thick aluminum with flush-fitting aluminum panel. Excellent accessibility—lid is mounted on two slide-on chromium-plated hinges and fastened by chromium-plated slide toggle catches. Inside of lid is cushioned with foam rubber for protection of contents. Has rubber feet on base and back. Chrome-plated handle.



Aluminum;
Slide-Off,
Foam-Rub-
ber-Cushioned
Lid

SPECIFY SMOOTH BLUE OR GRAY ENAMEL FINISH

Stock Type	Mfr's Type	Size HxWxD	Wt., Lbs.	EACH
42 B 7584 C	TC-100	6x10x7"	2 1/4	26.20
42 B 7586 C	TC-301	6x11 1/2 x 8 1/4"	4	26.80
42 B 7588 C	TC-302	7 1/2 x 13 x 9"	6	27.30
42 B 7589 C	TC-303	7 1/2 x 16 x 9"	5	27.85
42 B 7590 CX	TC-304	9x20x8"	6 1/2	29.30

STREAMLINED CABINETS

Ideal for small electrical and electronic devices. Ruggedly built. Recessed hinged-cover has convenient finger-lift for easy opening. Complete access to components. Front panel fits flush with embossed, rounded corners. Panel is removable for chassis installation or cutouts. 3 1/2" high opening in rear for cables or controls. Louvered sides provide ample ventilation. Steel, 20-gauge body and 18-gauge panel. 8" high x 8 1/4" deep, except 12" high x 12" deep.

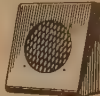


SPECIFY BLACK WRINKLE OR GRAY HAMMERTONE FINISH

Stock No.	Mfr's Type	Width	Panel Space	Wt. Lbs.	EACH
42 B 7592 C	CD-1480	10 1/2"	8x8"	6 1/4	6.85
42 B 7593 C	CD-1481	12 1/2"	8x10"	7 1/4	7.30
42 B 7594 CX	CD-1482	14 1/2"	8x12"	7 1/2	7.30
42 B 7595 CX	CD-1483	16 1/2"	8x14"	8 1/4	7.80
42 B 7596 CX	CD-1484	18 1/2"	8x16"	9 1/2	8.50
42 B 7597 CX	CD-1485	20 1/2"	12x18"	10 1/4	12.25

WALL-TYPE SPEAKER CASES

Rugged, versatile steel speaker cases for use on wall or table. Will not warp or split. Designed and built to be unaffected by weather and temperature conditions. Keyway holes are provided for wall-mounting and four embossed feet for table-mounting. Brown vinyl enamel finish.



Stock No.	Mfr's Type	Hole Size	Spkr. Size	Size HxWxD	Wt., Lbs.	EACH
42 B 8771	CS-1948	3 1/2"	4"	7 1/2 x 6 1/2 x 4 1/2"	1 1/4	2.95
42 B 8772	CS-1939	4"	4"	7 1/2 x 9 1/2 x 4 1/2"	1 1/4	3.00
42 B 8773	CS-1940	4 1/2"	4"	9 1/2 x 8 1/2 x 5 1/2"	1 1/4	3.00
42 B 8774	CS-1941	6"	8"	11 1/2 x 9 1/2 x 7"	4	4.40
42 B 8775	CS-1942	8 1/2"	10"	13 1/2 x 11 1/2 x 8 1/2"	5	5.50
42 B 8776	CS-1943	10 1/2"	12"	15 1/2 x 13 1/2 x 9 1/2"	6	7.70

ALUMINUM COWL-TYPE MINIBOXES

Bud's cowl-type miniboxes. Attractively styled; easily drilled or punched. Have projecting cover which reduces glare on the panel from overhead lighting. Also provide protection for knobs, switches, and meter faces. May be used for housing receivers, transmitters, test equipment, etc. Cover has two 1/2" box braces to which bottom is attached with #6 sheet metal screws provided. This construction results in a sturdy, rigid housing. All are made of long-life, 20-gauge aluminum. Choice of handsome, gray hamertone finish or natural aluminum.



Size HxWxD	Shpg. Wt., Lbs.	Gray Hamertone	Type SC-	EACH	Natural Aluminum	Type SC-	EACH
6x10x7"	2	42 B 8684	2130	6.55	42 B 8688	3040	4.75
7x12x8"	2 1/4	42 B 8685	2131	7.10	42 B 8689	3041	5.15
8x14x9"	3	42 B 8686	2132	7.80	42 B 8690	3042	5.70
5x5x5"	1	42 B 8687	2133	3.95	42 B 8691	3043	2.85

Bud Metal Cabinets, Panels, Racks, Handles

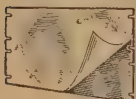
MINIATURE UTILITY CABINETS WITH ATTACHED CHASSIS



Sturdily-made, unusually compact, steel utility cabinets with a built-in chassis attached to the front panel. Especially suitable for standing-wave bridges, frequency meters, small transistorized receivers, code practice oscillators, decade boxes, crystal sets, and many other types of small, self-contained units. Removable front and rear panels fastened with self-tapping screws permit easy access to components. 22-g. body; 20-g. panel; 18-g. chassis. Black-wrinkle enamel finish.

Stock No.	Mfr's Type	Cabinet H.W.D.	Chassis H.W.D.	Wt. Lbs.	EACH
42 B 7600	C-1793	4x4x2	1x3 1/2 x 1 1/2	3/4	1.60
42 B 7601	C-1794	4x5 1/2	1x4 1/2 x 2 1/2	1	1.80
42 B 7602	C-1795	5x4 1/2	1x4 3/4 x 2 1/2	1	2.00
42 B 7603	C-1796	5x4 1/2	1x4 3/4 x 3 1/2	1 1/4	2.05
42 B 7604	C-1797	5x4 1/2	1x4 3/4 x 3 3/4	1 1/4	2.30
42 B 7605	C-1798	5x6 1/2	1x4 3/4 x 3 3/4	2	2.65

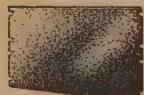
SHIELDED-SURFACE RACK PANELS



Naturally bright aluminum-alloy, covered on both sides with protective, pressure-sensitive white paper. Blemish-free mill finish. 1/2" thick. 19" wide. Standard notching.

Stock No.	Mfr's Type	Ht.	Wt. Lbs.	EACH
42 B 8662 X	SFA-1831	1 1/2	1 1/2	1.15
42 B 8663 X	SFA-1832	3 1/2	1 1/2	1.65
42 B 8664 X	SFA-1833	5 1/2	1 1/4	2.15
42 B 8665 X	SFA-1834	7 1/2	1 1/4	2.70
42 B 8666 X	SFA-1835	8 3/4	2	3.20
42 B 8667 X	SFA-1836	10 1/2	2 1/2	4.05
42 B 8668 X	SFA-1837	12 1/2	3	4.50
42 B 8669 X	SFA-1838	14 1/2	3 1/2	4.85
42 B 8670 X	SFA-1839	15 1/2	3 3/4	6.00
42 B 8671 X	SFA-1840	17 1/2	4	6.60
42 B 8672 X	SFA-1841	19 1/2	4 1/2	7.25
42 B 8673 X	SFA-1842	21"	5	7.90

STANDARD RACK PANELS



Heavy-duty rack panel constructed of 1/2" minimum. All are 19" in width and have notched edges to fit mounting standard telephone type relay racks. Specify black or gray wrinkle, smooth gray or gray hammertone.

Stock No.	Height	Wt. Lbs.	EACH
42 B 7408 CX	1 1/2"	1/2	1.25
42 B 7409 CX	3 1/2"	1	1.65
42 B 7410 CX	5 1/2"	1 1/4	2.20
42 B 7411 CX	7 1/2"	1 1/4	2.80
42 B 7417 CX	8 3/4"	2	3.25
42 B 7418 CX	10 1/2"	2 1/2	4.15
42 B 7419 CX	12 1/2"	3	4.75
42 B 7420 CX	14 1/2"	3 1/2	5.50
42 B 7421 CX	15 1/2"	4	6.15
42 B 7422 CX	17 1/2"	4 1/2	6.75
42 B 7423 CX	19 1/2"	5	7.35
42 B 7424 CX	21"	5	8.10

DESK-TYPE RACKS



A strong, steel chassis ideal for mounting heavy components. Perfect for table mounting of low and medium power transmitters, P.A. systems, and other electronic equipment. Designed for use with standard 19" panels. No exposed edges. With hardware. Gray hammertone finish.

Stock No.	Mfr's Type	Panel Ht.	Overall Size	Wt. Lbs.	EACH
42 B 7309 U	RR-1248	21"	24x20 1/2 x 12 1/2	14 1/2	1.05
42 B 7311 U	RR-1249	26"	31x20 1/2 x 12 1/2	17 1/2	3.50

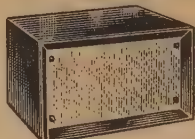
UTILITY HANDLES



Strong handles with comfortable grip. Ideal for mounting on cabinets to afford portability. Made of tubular finish. Shpg. wt., 2 oz. In pairs only.

Stock No.	Type	Lgth.	Mtg. Ctr.	PAIR
42 B 7893	UH-70A	5 1/2"	4 1/2"	.45
42 B 7894	UH-71A	3 1/2"	3 1/2"	.40

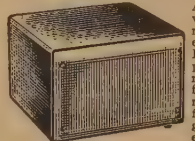
SHADOW CABINETS



panel is recessed 1" to protect controls, meters, etc. Recessed panel and beveled front edges of cabinet provide attractive appearance. Body constructed of 18-gauge steel, panels of 16-gauge steel. Rubber feet attached to bottom of cabinet prevent marring of the surface on which it may be placed. Finished in attractive, light gray hammertone.

Stock No.	Type	Size H.W.D.	Use Body Wt. Lbs.	Chassis Wt. Lbs.	EACH
42 B 7253	2140	8 1/4 x 4 1/2 x 10"	AC-424	11 1/4	7.55
42 B 7254	2141	7 1/2 x 4 1/2 x 10"	AC-407	9 1/2	5.80
42 B 7255 X	2142	9 1/2 x 7 1/2 x 11"	CB-666	16	10.25
42 B 7256	2143	6 1/2 x 5 1/2 x 9 1/2"	AC-409	9 1/2	5.60

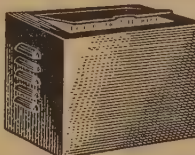
UTILITY CABINETS



Attractive housing with rounded corners. All constructed of 20-gauge steel. Front and rear panels removable. Rear panel louvered for ventilation. 4 rubber feet. Body finished in dark gray enamel, panels in light gray enamel.

Stock No.	Mfr's Type	Size H.W.D.	Wt. Lbs.	EACH
42 B 8692	CU-463	4 1/2 x 6 1/2 x 3 1/2"	1	6.05
42 B 8693	CU-465	5 1/2 x 8 1/2 x 5 1/2"	2 1/4	7.00
42 B 8694	CU-485	5 1/2 x 8 1/2 x 5 1/2"	3	9.20
42 B 8695	CU-581	5 1/2 x 8 1/2 x 7 1/2"	3 1/2	10.00
42 B 8696	CU-715	7 1/2 x 12 1/2 x 5 1/2"	5	10.20
42 B 8697	CU-717	7 1/2 x 12 1/2 x 7 1/2"	6	10.85

INSTRUMENT AND RECEIVER CABINETS

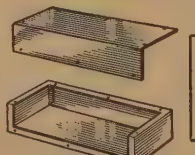


Ruggedly constructed steel cabinets. Have recessed hinged cover for easy access. Front panel is held securely in place with self-tapping screws. Panel extends full width of cabinet—provides maximum space.

Louvers for ventilation. 20-g. body; 18-g. panel, except *16-ga. Black wrinkle finish.

Stock No.	Type	H.W.D.	Lbs.	EA.
42 B 7652	C-973	7x8x8"	8	5.05
42 B 7653	C-993	7x10x8"	8	5.85
42 B 7200	C-994	7x12x8"	6	6.05
42 B 7201	C-995	7x14x8"	7 1/4	6.40
42 B 7202 X	*C-1190	8x16x8"	9 1/4	9.20
42 B 7203 X	*C-975	9x15x11"	13	11.10
42 B 7205 X	*C-999	12x18x12"	17 1/2	12.00

"CONVERTA" BOXES

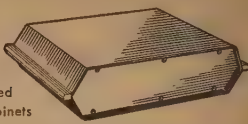


Components or Controls Can Be Mounted to Any Surface of Enclosure

Versatile enclosures to hold a variety of equipment. Consist of welded base and two-sided cover designed to afford maximum protection. Components and controls mount on any surface. Cover and base fasten with self-tapping screws. Easy access to equipment. 20-gauge steel, cadmium plated. With hardware.

Stock No.	Mfr's Type	Size H.W.D.	Wt. Lbs.	Each
42 B 7704	CU-341	1 1/2 x 4 x 3 1/2"	1 1/2	2.10
42 B 7705	CU-452	2x5x4"	1 1/4	2.20
42 B 7706	CU-482	2x8x4"	1 1/4	2.30
42 B 7707	CU-592	2 1/2 x 9 1/2 x 5 1/2"	2 1/4	2.50
42 B 7708	CU-622	2 1/2 x 12 x 6"	2 1/4	2.75
42 B 7709	CU-712	2 1/2 x 15 x 7 1/2"	3 1/2	3.65

STYLISH GRAND PRIX CABINETS

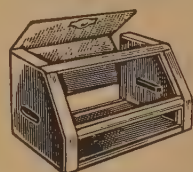


Versatile, Streamlined Steel Cabinets

Upper and lower 20-gauge steel segments held by brushed aluminum extensions (also serve as handles) with set screws. 2 panels furnished. 4 rubber feet in base. Specify light gray hammertone, or smooth dark gray finish.

Stock No.	Mfr's Type	Size H.W.D.	Wt. Lbs.	EACH
42 B 8723 CX	MD-1	4 1/4 x 19 1/4 x 10 1/2"	7 1/4	14.45
42 B 8724 CX	MD-2	7 1/4 x 19 1/4 x 10 1/2"	7 1/4	5.00
42 B 8725 CX	MD-3	4 1/4 x 12 1/2 x 8 1/2"	7	1.55

"PRESTIGE" SLOPING PANEL CABINETS

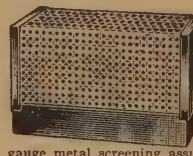


Have removable panel trim bar; recessed handle slot; ventilated top, which opens; 2 1/2 x 18" rear opening for cables or controls. Fits 19" rack panels. Gray hammertone. Width, 22"; vertical panel ht., 3 1/2"; *inclined panel.

ht. Shpg. wts.: C-1555, 26 lbs.; C-1556, 28 lbs.; C-1557, 31 lbs.

Stock No.	Mfr's Type	Height	Panel Space	EACH
42 B 8753 U	C-1555	11 1/2 x 22"	*7"	39.70
42 B 8754 U	C-1556	13 1/2 x 22"	*8 1/2"	42.65
42 B 8755 U	C-1557	14 1/2 x 22"	*10 1/2"	45.70

STANDARD AMPLIFIER FOUNDATIONS



Ideal for most amplifier requirements. Foundations consist of regular steel chassis with metal covers. Solid pieces are used on ends of each cover for bracing and a snug fit to chassis. Heavy-gauge metal screening assures proper protection and ventilation of components. Metal handles provide portability. Type CA-1091 CA-1125, and CA-1126 have 2 1/2" high chassis. Type CA-1128 has 3" high chassis. Cover, ends and chassis are 20-ga. steel. Black wrinkle finish.

gauge metal screening assures proper protection and ventilation of components. Metal handles provide portability. Type CA-1091 CA-1125, and CA-1126 have 2 1/2" high chassis. Type CA-1128 has 3" high chassis. Cover, ends and chassis are 20-ga. steel. Black wrinkle finish.

Stock No.	Type	H.W.D.	Lbs.	EACH
42 B 7244	CA-899	8 1/2 x 9 1/2 x 5 1/2"	4	6.80
42 B 7245	CA-1125	8 1/2 x 13 1/2 x 5 1/2"	4 1/2	7.05
42 B 7246	CA-1126	8 1/2 x 17 1/2 x 5 1/2"	6	8.00
42 B 7242	CA-1128	8 1/2 x 12 1/2 x 10 1/2"	6 1/2	8.25

MINIATURE AMPLIFIER FOUNDATION

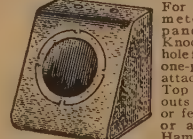


Type CA-1754. Meets the requirements of builders employing miniaturized components. Chassis is only 2" high, 7" wide, and 5" deep. With cover fastened in place, entire unit stands only 6 1/2" high. For easy to carry. Removable cover includes a carrying handle. Cover is heavily perforated.

ed. All-steel construction—20-ga. cover; 22-ga. chassis. Black wrinkle finish. 1 1/2 lbs.

42 B 7866.....4.85

UNIVERSAL METER CASES



For use with 2" or 3" meters. With front panel for 2" meter. Knockout ring enlarges hole for a 3" meter. Have one-piece back and side attached with 4 screws. Top has two 1/4" knockout rings for test leads or lead-throughs. Steel or aluminum; gray hammertone 4 1/2 x 4 1/2 x 4 1/2".

Stock No.	Type	Material	Lbs.	EA.
42 B 8541	CMA 1935	Steel	1	1.50
42 B 8542	CMA 1936	Aluminum	1 1/2	1.75

Silicones and Epoxy Compounds

G. E. SILICONES AND COMPOUNDS

SILICONE RUBBER SEALANTS

- Withstand Temperature Extremes Without Cracking or Drying Out
- Adheres Without Priming When Applied at Room Temperature
- Contain No Solvents—Cure With Minimum of Shrinkage

Ready-to-use silicone rubber adhesive/sealants for many and varied applications. In squeeze tubes, they are easily applied and air cure to form a durable, flexible silicone rubber. Needs no catalyst. Applied at room temperature, adheres without priming. Excellent electrical properties. For use as insulation, bonding silicone rubber parts to metal surfaces, encapsulating. Withstand —75°F to +300°F. Never harden, crack or dry out. Resist moisture, weathering and aging. Cure with a minimum of shrinkage.

Type RTV-	Description	3-Oz. Tube Stock No.	EACH	12-Oz. Tube Stock No.	EACH
102	White. For shock mounting	60 B 7227	1.75	60 B 7228	5.55
103	Black. For rubber repair	60 B 7229	1.75	60 B 7230	5.55
108	Translucent	60 B 8594	1.75	60 B 8595	5.55
106	Red. For temp. to +600° F	60 B 8916	2.10	60 B 8918	7.10
112	White. Brushing or spraying	60 B 7235	2.10	60 B 7236	7.10

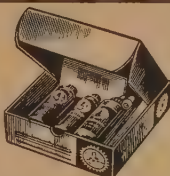
RTV-615 POTTING COMPOUND

(Not illus.) Clear silicone low-viscosity liquid cures at room temp., after addition of curing agent, to form a rubber-like, transparent solid. Cures within 15-30 min.

at 150°C. Will cure in absence of air. Withstand temp. from —65° to +200°C. Includes compound and curing agent. 1-pint can. 60 B 7243. Shpg. wt., 1 lb. Each 9.50

FLUOROCARBON TEFLON® BONDING KIT

Contains all materials needed to bond "non-bondable" Teflon to itself and other substances. Kit contains a bottle of Teflon treating agent and two tubes of Thermo-Blend Epoxy Cement. Treating agent is applied to Teflon surface until it turns permanently brown, then surface is cleaned. Bonding agent is then applied, and parts are fitted together. Cures in about four hours at 300°F, plus 1 hour at 340°F. Kit includes complete instruction brochure. 2 lbs. 60 B 7037. Bonding Kit No. 1. Each 10.00



SILICONE SURFACE-COATING COMPOUNDS BY DOW CORNING

TYPE 3 COMPOUND

Greaselike, nonmelting silicone material with excellent electrical insulating properties, water repellency, and oxidation resistance. Retains conductance and electrical properties from —40°F to over +400°F. Easily applied with grease gun by wiping or by rubbing. Can be brushed or sprayed on if thinned first with xylene, mineral spirits, perchloroethylene or lacquer thinner. Shpg. wt., 2 oz. for 2-oz. container, 8 oz. for 8-oz. 60 B 7022. 2-oz. Container. Each 1.95 60 B 7023. 8-oz. Container. Each 5.00

TYPE 4 COMPOUND

Seal and lubricant for switches, cable and cable connectors, battery terminals and lamp bulb bases. Has excellent insulating properties. Use as moisture-proof dielectric seal for ignition systems, electrical systems and electronic equipment. Apply with grease or by brushing or wiping. Translucent and colorless with petroleum-type consistency. Shpg. wt., 2 oz. for 2-oz. container, 8 oz. for 8-oz. container. 60 B 7027. 2-oz. Container. Each 1.95 60 B 7028. 8-oz. Container. Each 5.00

RUBBER ENCAPSULANTS AND CATALYSTS

Type 3110. White, low viscosity silicone rubber base. Deep curing. 1-lb. can. 60 B 6788. 5.60 Type 3112. White, medium viscosity silicone rubber base encapsulant. 1-lb. can. 60 B 6789. 5.60 Type 3120. Red, medium viscosity silicone rubber base. High temp. type. 1-lb. can. 60 B 7029. 6.00 60 B 6790. Type "F" Catalyst. Cures in 15 minutes to 4 hours. 6-oz. tube. 90 60 B 6791. Type "S" Catalyst. Cures encapsulant in 4 to 8 hours. 6-oz. tube. 90 60 B 6792. Type "H" Catalyst. Heat-accelerated cure; also room temp. 6-oz. tube. 90

SILASTIC RTV 732 ADHESIVE

General-purpose silicone rubber adhesive and sealant, ready-to-use as supplied. Requires no catalyst or heat—reacts with moisture in the air and immediately begins curing to rubber. Vulcanizes in 24 hours at 77°F and 50% relative humidity. Moisture resistant and heat stable. Shpg. wt., 2 oz. 60 B 7033. 2-oz. Tube. Each 1.50

TYPE 4X SPRAY

Handy mold release, rubber preservative and water repellent. Acts as lubricant and insulator. Ready-to-use as supplied. Sprays directly from its aerosol container. Ideally suited for a wide variety of factory maintenance and production problems. Applications include: waterproofing ignition systems; reducing battery terminal corrosion; preventing locks from sticking. Shpg. wt., 1½ lbs. 60 B 7024. 16-oz. Can. Each 1.95



SYLGARD 184 RESIN

Sylgard 184 Resin. Low viscosity, solventless and transparent for temperature sensitive devices. Pot life is 2.5 hours after curing agent added. Cures without exotherm in 24 hours at room temperature—or, in 4 hours at 149°F. Specifications: hardness, Shore A Scale 30; minimum dielectric strength (ASTM D 149), 500 volts/mil; heat stability up to 392°F. 100 parts resin to 10 parts curing agent by weight. Shpg. wt., 18 oz. 60 B 8750. 1-lb. Kit. Each 8.00

PLASTIC ASSOCIATES READY-TO-USE EPOXY CEMENTS

PA-1101 THERMA-BLEND EPOXY PASTE

Thoroughly factory-mixed and ready-to-use epoxy cement in paste form. Saves much valuable production time on assembly lines when used for cementing, sealing, insulating and protecting. Works on practically any type of porous and non-porous material. Needs no mixing—only catalyst necessary is the application of 400°F heat from an ordinary heat lamp, oven or an open flame. Curing time is 6 minutes at 400°F; at 360°F, curing time increases to 40 minutes. Once Thermo-Blend epoxy cement paste is cured, it forms a perfect and permanent bond. Maintains great shear strength, even at high temperature extremes. Meets MIL-A-8623 specifications. Supplied in convenient 1½-oz. squeeze tube. Shpg. wt., 2 oz. 60 B 7680. Each 2.00



PA-1000 AND PA-1001 ROOM-TEMPERATURE AIR-CURE EPOXY KITS

Pre-measured two-component mixer package to prepare air-curing, short pot-life epoxy cement without waste. Catalyst and resin are vacuum-sealed in polyethylene container. Includes stirring stick. Adheres to most porous or non-porous materials. Cures from —50°F to +250°F. Cured bond has tensile strength of 1900 psi. Shpg. wt. per pkg., 8 oz.



Stock No.	Mfr's Type	No. of Units	Oz. per Unit	EACH
60 B 7690	PA-1000	10	1/10	2.50
60 B 7691	PA-1001	10	1/5	4.00



Complete Kit for Quick and Easy Plating

RAPID ELECTROPLATING KITS

For easy electroplating of small metal objects. Each kit includes: 1-oz. metal cleaner; 1-oz. metal polish plating compound; $\frac{1}{2}$ -oz. brush; wires and clips; polishing stick. Less batteries, below—uses two No. 6 1½-volt. Shpg. wt., 1 lb.

Stock No.	Type	Compound	EACH
26 B 1076	200	Nickel	2.49
26 B 1077	202	Cadmium	2.49
26 B 1079	204	Copper	2.49
26 B 1080	205	Brass	2.49
26 B 1088	206	Silver	3.19
26 B 1089	207	24K Gold	5.29

18 B 5641, Batteries, Wt., 2 lbs... Each 91¢



A C CARBON TETRACHLORIDE. Non-explosive, non-flammable carbon tetrachloride is safe for cleaning electrical controls and contacts, as well as many other electrical and mechanical components. 4 oz. bottle. Wt., $\frac{1}{2}$ lb.

26 B 1621.....82¢



B CHEMTRONICS ALL-PURPOSE GLUE. Strong, fast-drying glue for plastics, wood, metals, paper, repairing and rejoining speakers, voice coils and spiders. 2-oz. bottle. Shpg. wt., 4 oz.

26 B 2783.....48¢



C CHEMTRONICS "TUN-O-LUBE" TUNER CLEANER. An activated TV tuner cleaner used by servicemen to clean and lubricate all types of tuners. Helps quiet noise caused by dirty contacts. 8-oz. bottle. Shpg. wt., 1 lb.

26 B 2270.....1.69



D QUIETROLE CLEANER. Cleans contacts, switches, relays and other devices. Eliminates noise. With dropper applicator. 2-oz. bottle. Shpg. wt., 4 oz.

26 B 1090.....1.69

NEW



E G-C "SUPER GRIP" EPOXY GLUE. Used by NASA. Won't shrink or expand. Resists acids, alkali, grease, gas, water, etc. High electrical resistance. Hardens in 2-4 hours at room temp. Kit of 2-tubes (approx. 4 oz.). Shpg. wt., 6 oz.

26 B 3650.....2.50



F "NO NOISE" CONTACT RESTORER. Cleans, lubricates and restores volume controls, band switches, relays. Won't harm precious metals. Does not change capacities. 6 oz. can. Shpg. wt., 8 oz.

26 B 3651.....2.25



G COLOR LUBE. Non-drift color TV tuner cleaner. Perfectly safe for any color TV. Will not detune tuners. Cleans, lubricates in one operation. Safe for plastics. Non-flammable. 8 oz. can. Wt., 10 oz.

26 B 3652.....2.39



H "NO NOISE" TUNER CLEANER. Quickly cleans and lubricates TV tuner controls, contacts and switches. Eliminates noise caused by dirty components. Bottle contains 6 fluid ounces. Shpg. wt., 14 oz.

26 B 2397.....2.20



J G-C "SPRA-KLEEN" CONTACT CLEANER. Lubricates contacts, controls, relays, switches. Stops volume control noise. No harsh solvents, won't harm plastic. 6 oz. Shpg. wt., 10 oz.

26 B 1075......97¢



K G-C 8670 "JIF" CONTACT AND CONTROL CLEANER. Cleans and lubricates contacts, controls, switches. Eliminates noise caused by dust. Contains silicone for effectiveness. Non-flammable. 6-oz. spray can. Shpg. wt., 10 oz.

26 B 3133.....1.79



JET-PAK SPRAY OUTFIT \$198

Sprays up to 32 oz. of any liquid. Uses gas power-cartridge. Includes head assembly, 4-oz. glass jar, 15-oz. power unit. Shpg. wt., $\frac{1}{2}$ lbs.

26 B 1638.....1.98

26 B 1640, 15-oz. Power Unit, 1 lb., 1.20

26 B 1642, Extra Jar, 5 oz., 1.3¢



L GC 8682 "RELAY KLEEN" CONTACT CLEANER. For cleaning relays and contacts. Also a good solvent for all electrical and mechanical equipment. Non-flammable, no residue. With pin-point spray extension for hard-to-reach places. 6 oz. spray can. Shpg. wt., 14 oz.

26 B 3131.....1.89



M CHEMTRONICS FROST-AID. Helps locate hard-to-find intermittents. The fast way to find oxidized joints and bad components. Spray suspected parts, one at a time—cools them instantly. 8 oz. spray can. Shpg. wt., 1 lb.

26 B 2554.....1.69



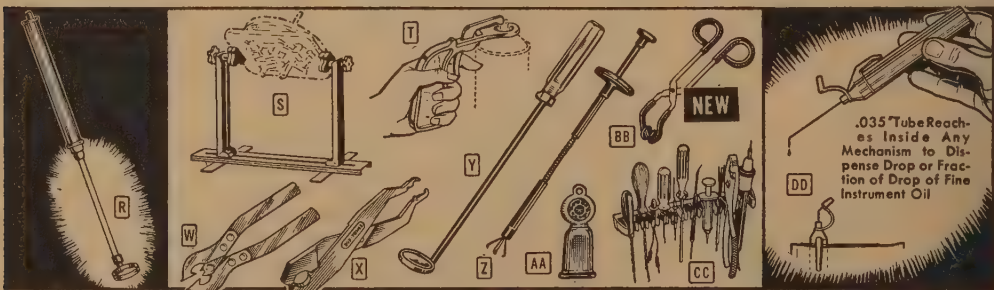
N G-C 8668 "FREEZE MIST" CIRCUIT COOLER. Cools components so you can spot bad capacitors and transistors, oxidized joints. With pinpoint spray extension for hard-to-reach places. 6 oz. spray can. Shpg. wt., 10 oz.

26 B 3134.....1.26



P G-C 8888 "SPRA-LUBE" COLOR-TV TUNER CLEANER. Prevents drift in color TV tuners. Cleans oxidation and dust, leaving a light coating for lubrication. With pinpoint extension spray. 8-oz. spray can. 12 oz.

26 B 3135.....1.95



R G-C 8725 ILLUMINATED INSPECTION MIRROR. Anod. alum.; 6" lucite rod, 1" hinged mirror. Less nightlight cells. 12¼". 6 oz.

26 B 1007.....1.97

S G-C 5212 CHASSIS CRADLE. Rotates 360° to lock radio or TV chassis at best working angle. Makes any part of chassis easily accessible. 14" high, adjustable to 24" wide. 12½" deep. Shpg. wt., 7 lbs.

26 B 3710 X.....7.35

T G-C 5900 SPRAY CAN HANDLE. Converts any spray can to spray gun. Keeps hands clean; eliminates hand fatigue. 2 oz.

26 B 1178.....48¢

W G-C 8872 C-RING TOOL. Removes, inserts "C" washers, retainers. 2 oz.

26 B 1253.....1.84

X G-C 9356 FUSE PULLERS. Nylon tongs at each end for miniature and industrial fuses, from $\frac{1}{16}$ to 1" dia. Also fits domestic screw-in type. Shpg. wt., 1 oz.

26 B 1177.....87¢

Y G-C 5090 INSPECTION MIRROR. For inspection of hard-to-reach chassis parts. 1" diameter mirror with 7½" shaft. Shpg. wt., 5 oz.

26 B 1006.....41¢

Z G-C 5089 PICKUP TOOL. Push button to open claws—release to close. Flexible 14" shaft. Shpg. wt., 4 oz.

26 B 1741.....96¢

AA G-C 9130 TUBE GADGET. 3 tools in one. Straightens 7 or 9-pin miniature tube pins; also can be used for pulling tubes. Shpg. wt., 3 oz.

26 B 1003.....1.21

BB G-C HOT TUBE PULLERS. Puts an end to burned fingers and dropped tubes. Special plastic coating insulates handles and tips—assures firm, cool grip. Straight model for open work. Right angle model for tight or enclosed areas.

26 B 3653, Straight Model, 6 oz., 1.73

26 B 3654, Right Angle Model, 6 oz., 1.89

CC G-C 9525 TOOL CADDY. Holds 12 tools, all sizes and shapes, with spring-loaded brackets. 10½" wide. Shpg. wt., $\frac{3}{4}$ lb.

26 B 1254.....1.57

DD WALSCO REACH-ALL PEN OILER. Pocket size precision instrument oiler. Has .035" stainless steel tube that extends up to 9½"; lubricates hard-to-reach spots without disassembly. Dispenses drop or fraction of drop of fine oil. Transparent, refillable container comes filled. 5" long. Pocket clip, tube guard. Shpg. wt., 3 oz.

26 B 1165.....97¢

Quality Radio-TV Alignment Tools and Kits



MODEL 8283 25-PC. ALIGNMENT KIT

\$15.49

- 25 Tools in Handy Roll-Up Case
- Several 9" Long Tools Included
- For Radio, TV, Communications

Complete 25-piece alignment tool assortment in a handy roll-up case. Contains alignment and adjustment tools for practically every radio and TV set on the market. Also has tools used on mobile communication, marine and amateur gear. In addition to tools in case, several 9" long tools are furnished separately. Kit includes: K-Tran and IF aligner; alignment screwdrivers of various lengths; long-reach aligner; channel tuner; special short tools; core aligners; duplex aligner; IF and oscillator aligner; alignment wrenches; TV-FM tuners; Zenith-Admiral hex; thin tuning wand; and many more helpful alignment and adjustment tools. Shpg. wt., 1 lb.

26 B 1001 \$15.49

MODEL 8280 DELUXE 16-PC. TV ALIGNMENT TOOL KIT

Handy roll-up pouch, made of durable leatherette contains 16 specially engineered television alignment tools. Pouch has fold-over flap to prevent tools from falling out in transit. Kit includes: short alignment tool; 2 aligning wrenches; K-Tran tool; channel tuning tool; TV-FM tuning tool; 2 core aligners; IF and oscillator aligner; all-purpose aligner; long reach aligner; universal aligner; duplex aligner; "shorty" aligner; thin tuning wand; hex wrench. Shpg. wt., 8 oz.

26 B 1002 \$9.98

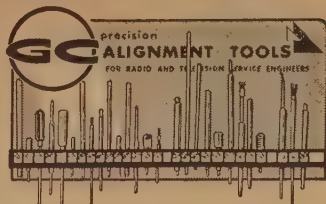
MODEL 9210 DELUXE 10-PC. CB ALIGNMENT TOOL KIT

\$4.79



Ten of the most useful tools for alignment and adjustment of Citizens Band transceivers, according to a trade publication's nationwide survey. Kit includes: alignment screwdrivers; K-Tran tool; core aligner; universal aligner; tuning wand; TV wrench and aligner; double end core tool; IF core alignment tool. Comes in flexible plastic carrying kit that rolls up for easy, compact storage in your tool caddy. Shpg. wt., 1 lb.

26 B 1676 \$4.79



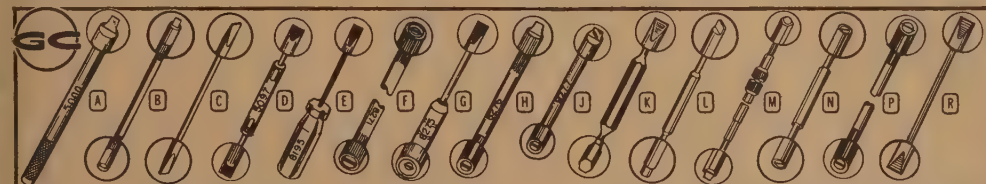
MODEL 9200 27-PC. RADIO-TV ALIGNMENT TOOL PANEL KIT

\$16.95

- 27 Most Needed Alignment Tools
- Convenient Wall-Mounting Panel
- Individually Marked Tool Slots

Convenient wall-mounting panel kit includes 27 of the most often used radio-TV alignment tools. Each tool has an individually marked slot in the sturdy, 3-color panel. Helps you to locate the desired tool immediately. Panel can be conveniently mounted on workshop wall or back of workbench for easy visibility and access. Tools are precision-made of finest materials including low-loss plastics and extra-hard bone fiber; tips are hardened spring steel. Kit includes: alignment screwdrivers of various lengths; special short tools; alignment wrenches; channel tuners; core aligners; oscillator adjustment tools; trimmer and IF aligners; solder probe; nylon replacement tip for long reach aligner; hex tools; and many other useful alignment tools. Size of convenient wall-mounting steel panel for holding tools is 9 3/4" high and 18 3/4" wide. Shpg. wt., 3 lbs.

26 B 1831 X \$16.95



Stock No.	Type	Fig.	Description	Oz.	EA.
26 B 1021	5000	A	Alignment screwdriver	3	.41
26 B 3122	5003	B	RCA coil, pushbutton screwdriver	3	.53
26 B 3123	5004	C	Delrin all-wave set aligner	3	.48
26 B 1015	5097	D	K-Tran and IF aligner	3	.76
26 B 1020	8195	E	Channel tuning tool	3	.71
26 B 2496	8271	F	Staple stud-type core aligner	3	.56
26 B 1014	8275	G	Zenith universal aligner	3	.50
26 B 1011	8276	H	Short Duplex aligner	3	.50

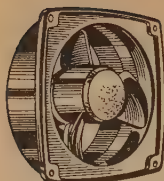
Stock No.	Type	Fig.	Description	Oz.	EA.
26 B 2497	8277	J	25" duplex aligner	3	.51
26 B 1013	8282	K	Zenith .100 hex wrench and aligner	3	.36
26 B 3124	8605	L	Capacitor/tuner hex and screwdriver	3	.63
26 B 1010	8606	M	Zenith-Admiral Delrin hex wrench	3	.47
26 B 3125	8721	N	9" standard/thin stud aligner	3	.78
26 B 1019	8722	P	7" duplex #4 and #6 stud aligner	3	.65
26 B 1017	8728	R	12" fiberglass screwdriver	3	.52
26 B 1016	8728A	R	7" Delrin plastic screwdriver	3	.42



Stock No.	Type	Fig.	Description	Oz.	EA.
26 B 3655	8867	S	#4 and #6 I.F. stud aligner	6	1.05
26 B 3656	8868	T	Dual blade alignment screwdriver	6	1.05
26 B 3657	8869	W	Double ended hex aligner	6	1.05
26 B 3126	8987	X	7" blade plastic screwdriver	3	.63
26 B 2499	8988	Y	12" plastic screwdriver	3	.91
26 B 2492	8989	Y	16" blade plastic screwdriver	3	1.20
26 B 1012	9091	Z	12" hex nylon wrench	3	.47
26 B 1217	9293	AA	12" fiberglass alignment stick	12	.47

Stock No.	Type	Fig.	Description	Oz.	EA.
26 B 3658	9294	AA	16" fiberglass alignment stick	12	.73
26 B 3128	9295	BB	11" long Delrin .100 hex	3	.63
26 B 1008	9296	CC	11" long nylon .075 hex	4	.62
26 B 3129	9300	DD	.075 hex coil slug and alignment	3	.48
26 B 1164	9302	EE	53" Magnavox hex core aligner	4	.48
26 B 3130	9340	FF	Hex driver for CTS type controls	3	.75
26 B 3659	9480	GG	Transistor IF core aligner	12	.63

Record and Phono Care Accessories



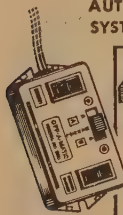
**REMOVE HEAT
WITH ROTRON
WHISPER FAN**

\$14.85

- Delivers 60 cfm of Cooling Air
- Super Quiet Whisper Fan
- Only 4 1/8" Square, 1 1/2" Deep

Cools hi-fi equipment. TV set, tape recorder, and other electronic equipment. Extremely quiet Whisper Fan delivers 60 cfm of cooling air with no audible noise level. Protects your equipment against deterioration by heat—makes it last longer and perform better. Its compact design allows installation almost anywhere. Only 4 1/8" square by 1 1/2" deep. Can be mounted in round or square opening. Airflow is reversible. Consumes only 7 watts of power. With cord, plug. 110-120 V, 60 Hz AC. 1 1/2 lbs. 16 B 2031.....14.85

AUTOMATIC HI-FI SYSTEM SHUTOFF



Plug "Off-A-Matic" into outlet—amplifier and record changer into "Off-A-Matic."

\$4.95

- Shuts Off After Last Record
- Operates Manual or Automatic
- For All Record Changers

Compact "Off-A-Matic" unit shuts off entire hi-fi system automatically at end of last record. Simply plug "Off-A-Matic" into wall outlet and amplifier (or receiver) and record changer into "Off-A-Matic." Works with all record changers, domestic and imported. Switch permits manual operation if the automatic-shutoff feature is not desired. Steel case, 2 1/8 x 4 1/8 x 1 1/8". 6' AC cord. Shpg. wt., 2 lbs. 24 B 9234.....4.95



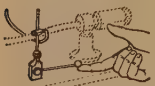
**AUTOMATIC
"DUST BUG"**

For manual turntables. Preserves records by keeping them dust-free. Consists of plastic arm with fine nylon brush and dust-collector or pad. Includes pad cleaning fluid. Easy to mount. Shpg. wt., 8 oz. 16 B 2022.....5.75



**RECORD
DUST REMOVER**

Get your records really clean with "Parastatic Preener" record dust remover. Simply rub wetted center wick of brush over rotating record. Cleans them like new. Leaves no film. Extends life of record. Wt., 6 oz. 16 B 2261.....3.50



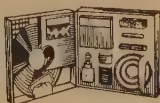
**ORTOFON
"HI-JACK"
CUEING DEVICE**

For manual turntable. Pneumatic. Lets you raise turntable arm without touching it, and "float" it to the record at precisely the right spot. Protects stylus and record. 12 oz. 16 B 2246.....9.80



A PK-9 RECORD CARE KIT. New kit helps you keep your records and phono needle in peak condition. Maintains maximum fidelity to give you greatest listening pleasure. Extends record life. Kit contains: stylus pressure gauge, record cleaning cloth, turntable level, strobe disc, stylus brush, 18 plastic record covers, pickup-arm lift, and record brush. Shpg. wt., 1 lb. 16 B 2000.....3.98

B PM-1 STYLUS MICROSCOPE. New pocket-type microscope checks needle for wear. You'll know when to replace needle to prevent record damage. Has 50X lens. Knurled focusing adjustment. 3 3/4" L., 1/2" D. 4 oz. 16 B 2286.....1.79



**PK-10 DELUXE
RECORD CARE
KIT**

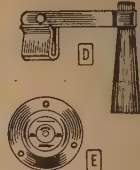
Deluxe record care kit containing vital accessories needed for keeping your records in best condition. Kit contains: 10" foam phono cushion, strobe disc and light kit, 18 record covers, record cleaning kit, stylus pressure gauge, stylus microscope, "Disk Whisk" kit, round turntable level, 144 friction spots, 12 record mitts, and instructions. Prolongs life of records and improves reproduction. 2 3/4 lbs. 16 B 2209.....9.98



NEW!
**PR-1
"RECORD BROWSER"
STORAGE RACK**

For fast, easy selection of your favorite records. Prevents records from being damaged. This sturdy brass-plated storage rack holds a large quantity of 12" records. Records are stored neatly in their jackets and albums, ready for use. No need to pull records out to make a selection. Just flip through them and select. 9 oz. 16 B 2263.....1.49

ROBINS



C PK-5 STROBE-LIGHT KIT. Tells in a jiffy whether your turntable is rotating at exact speed. Reproduction cannot be perfect unless speed is right. Includes neon lamp and strobe disc. Tests 33 1/3, 45, and 78 rpm. For 110-120 volts, 60 Hz AC. Instructions. Shpg. wt., 6 oz. 16 B 2014.....1.39

D PB-75 CLIP-ON RECORD BRUSH. Soft brush clips to pickup arm. Sweeps dust from grooves as record rotates. 3 oz. 16 B 2007......39c

E PL-2 ROUND TURNTABLE LEVEL. Shows when turntable is level. Spirit level indicator. Reduces record, stylus wear. 3 oz. 16 B 2255.....1.50

**PB-88 "CLEAN SWEEP"
CAMEL'S HAIR BRUSH**



Large camel's hair brush gently cleans entire tracking surface of records up to 12" with each revolution. Mounts to phono deck, with adhesive base-pad, no screws needed. Dust creates considerable damage in the modern microgroove record by destroying the delicate frequency modulations in the groove. It also wears the stylus, even diamonds, prematurely. "Clean Sweep" brush prolongs life of records and stylus. 16 B 2285. Shpg. wt., 3 oz.....3.99



**PK-6
"ROB-O-STAT"
CLEANING KIT**

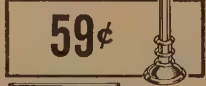
Keeps records playing flawlessly—longer. Cleans while eliminating dust-attracting static electricity generated on the satin-smooth surfaces of modern recordings by any form of wiping action. Kit contains super-soft foam applicator mitt, 1 1/2 ounce of anti-static cleaner, lubricant, and poly-foam pad. Shpg. wt., 8 oz. 16 B 2210.....1.29

BIG VALUES IN PHONO CARE ACCESSORIES



59¢

PC-2 RECORD CLEANING CLOTHS AND BRUSH
Contains two PC-3 cloths (listed below) and pickup-arm clip-on brush. Cloths are anti-static treated. Soft brush gently dusts record as it rotates. Shpg. wt., 4 oz. 16 B 2213.....59c



59¢

PB-3 "KLEENEEDLE" BRUSH
Removes dust-ball from stylus as arm is cycled. Fits all domestic and imported record changers. Easy to mount with pressure-sensitive base. Shpg. wt., 4 oz. 16 B 2002.....59c



59¢

PC-3 RECORD CLEANING CLOTHS
Three record cleaning cloths with special anti-static content. Clean record and reduce dust accumulation. Minimize record and stylus wear and surface noise. Wt., 6 oz. 16 B 2214.....59c

ALLIED

NEW! QUALITY MOLDED HIGH-FIDELITY AUDIO CABLES

TWO-CONDUCTOR STRAIGHT PHONE PLUG TO VARIOUS CONNECTORS

Stock No.	Mfr's Type	Conn't's Fig.	L.	EA.
16 B 2059	4C-3076	B A	6'	1.19
16 B 2063	4C-3064	B A	10'	1.59
16 B 2060	4C-3075	B B	6'	1.69
16 B 2061	4C-3074	B B	10'	1.99
16 B 2050	4C-3062	B F	6'	1.69
16 B 2072	4C-3061	B F	10'	1.99
16 B 2055	4C-3063	B G	6'	1.99
16 B 2051	4C-3060	B H	6'	1.99

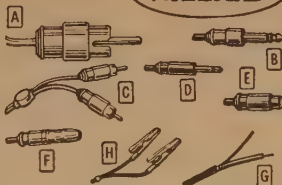
STRAIGHT PHONO PLUG TO VARIOUS CONNECTORS

Stock No.	Mfr's Type	Conn't's Fig.	L.	EA.
16 B 2058	4C-3056	A A	18"	.59
16 B 2057	4C-3054	A A	36"	.69
16 B 2056	4C-3055	A A	6'	.89
16 B 2062	4C-3073	A A	10'	1.19
16 B 2070	4C-3071	A E	36"	.89
16 B 2068	4C-3069	A E	6'	.99
16 B 2064	4C-3065	A E	10'	1.19
16 B 2067	4C-3068	A G	36"	.59
16 B 2066	4C-3067	A G	6'	.69
16 B 2052	4C-3059	A H	6'	.99

SPECIAL STEREO CABLES

Two shielded cables inside a common jacket. Phono plugs color coded. 5 oz.

16 B 2069	4C-3070	C C	36"	1.79
16 B 2071	4C-3072	C C	6'	1.99



Quality molded hi-fi cable assemblies. Built-in cable clamps eliminate strain on cable. Functionally designed handles provide easy grip. Cables are chrome-grey with matching plastic handles. A—phono plug; B—phone plug; C—phono plug; D—tini-plug; E—phono jack; F—phone jack; G—stripped and tinned; H—alligator clips. Av. wt., 5 oz.

STRAIGHT TINI-PLUG TO VARIOUS CONNECTORS

16 B 2065	4C-3066	D A	6'	1.44
16 B 2054	4C-3058	D B	6'	1.59
16 B 2054	4C-3057	D G	6'	1.19

SELECTED AUDIO SWITCHES AND CONTROLS



Famous-name audio switches and controls. Quality-built to exacting standards for consistently fine performance and long life. All have solder terminals except *screw terminals, †phono jacks.

In mtg. column of table below, W indicates wall plate mounting; SM, surface mounting; PM, panel mounting. Fig. J is rated 10 watts; Fig. P, 5 watts. Av. shpg. wt., 10 oz.

Stock No.	Fig.	Mfr. and Type No.	Mtg.	Description	EACH
16 B 2158	J	Audiotex 30-364*	W	Mono 8-Ω L-pad spkr. control	2.91
16 B 2160	J	Audiotex 30-372*	W	Stereo 8-Ω L-pad spkr. control	5.00
16 B 2161	J	Audiotex 30-374*	W	Stereo 16-Ω L-pad spkr. control	5.00
16 B 2169	J	Audiotex 30-388*	W	Stereo 3-speaker selector switch	2.91
16 B 2170	K	Audiotex 30-360*	SM	Mono 3-speaker selector switch	3.23
16 B 2186	L	Switchcraft 670†	SM	Stereo 2-speaker selector switch	3.70
16 B 2194	L	Switchcraft 668†	SM	1 of 3 stereo sources to 1 input	3.30
16 B 2196	M	Vidaire MS-6	PM	Mono selects any of 6 speakers	2.10
16 B 2197	M	Vidaire MS-12	PM	Stereo selects any of 6 spkr. sets	2.64
16 B 2201	N	Vidaire RS-10	PM	Selects either or both of 2 spkrs	.98
16 B 2202	P	Vidaire RF-10	PM	Distributes vol. between 2 spkrs.	1.15

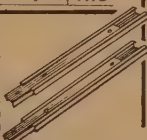
"EASY-PULL" BALL-BEARING PHONO-DRAWER SLIDES

Heavy steel ball-bearing slides for any record-changer base. Quiet, effortless rolling action. 3 lbs.

16 B 2046. 15" Long. (11" Travel).....1.90

16 B 2047. 13" Long. (9" Travel).....1.90

16 B 2044. Heavy-Duty 18" Full Extension Slides. (18" Travel) Wt., 4lbs.....3.50



ACCESSORY VALUES



R 12" RECORD ALBUM. Attractive, durable 12" record album. Consists of 12 Kraft envelopes index, and Fabrikoid cover. Keeps your records clean, safe, and handy. Shpg. wt., 5 lbs.
16 B 2024.....Each 1.75
3 or more.....Each 1.49

S NEEDLE PRESSURE GAUGES. Low-cost gauges accurately provide a check of needle pressure on record grooves. Prevents damage to needle and records caused by excess pressure. Lets you set the exact tracking force for best sound reproduction. The Robins is a balanced-type gauge; the Garrard has a spring-type mechanism, tightly sealed for added protection. Shpg. wt., 5 oz.
16 B 2258. Robins. 1/2 to 8 grams.....75c
16 B 2035. Garrard. 0 to 10 grams.....2.95

ACOUSTIC INSULATION. Prevents reverberation and distortion caused by standing waves created inside of speaker enclosure. Improves performance of any enclosure. 1/2x12x72". Shpg. wt., 1 1/2 lbs.
16 B 2262 X. Foam Rubber.....1.98
16 B 2042 X. Fiberglass.....1.32



BUDGET-PRICED GRILLE CLOTH

Description	Pattern No.	Stock No.		PER YARD
		In Lengths Over 1 Yd.	36x36"	
Pandamus-Imported Straw	163	16 B 2106 X	16 B 2107 X	2.39
Mahogany with Ivory Threads	211	16 B 2103 X	16 B 2104 X	2.39
Walnut with Bronze Threads	811	16 B 2115 X	16 B 2116 X	2.39
Walnut, White and Gold	1908	16 B 2272 X	16 B 2273 X	2.39
Walnut Cane with Bronze Threads	24R12	16 B 2236 X	16 B 2337 X	2.39

MODERATELY PRICED GRILLE CLOTH

Beige with Metallic Gold	3257	16 B 2131 X	16 B 2132 X	3.29
Light Walnut with Gold Metal Box	711M	16 B 2325 X	16 B 2326 X	3.29
White with Random Gold Thread	6423	16 B 2321 X	16 B 2322 X	3.29
Natural & Walnut Cane w/Gold Metal	2422	16 B 2313 X	16 B 2314 X	3.29
Beige & Walnut w/Gold Metal	3705A	16 B 2238 X	16 B 2239 X	3.29
Solid Black Ribbon Honeycomb	4542	16 B 2240 X	16 B 2241 X	3.29

DELUXE DECORATOR GRILLE CLOTH

Walnut, Beige, Metallic Threads	4440	16 B 2282 X	16 B 2283 X	3.95
Black with Gold Cobweb	453	16 B 2148 X	16 B 2149 X	3.95
Dark Mahogany with Gold Cobweb	300	16 B 2152 X	16 B 2153 X	3.95
Beige, White and Tan w/Gold Metal	7104	16 B 2154 X	16 B 2155 X	3.95
Walnut Tapestry Weave w/Gold Metal	3743	16 B 2315 X	16 B 2316 X	3.95
Walnut with Random Stripes	3785A	16 B 2317 X	16 B 2318 X	3.95
Walnut-Interwoven Wood Effect	WW-1	16 B 2244 X	16 B 2245 X	3.95
Walnut & Beige Circles w/Gold	372	16 B 2242 X	16 B 2243 X	3.95

POPULAR ACOUSTONE APPROVED SPEAKER GRILLE CLOTH

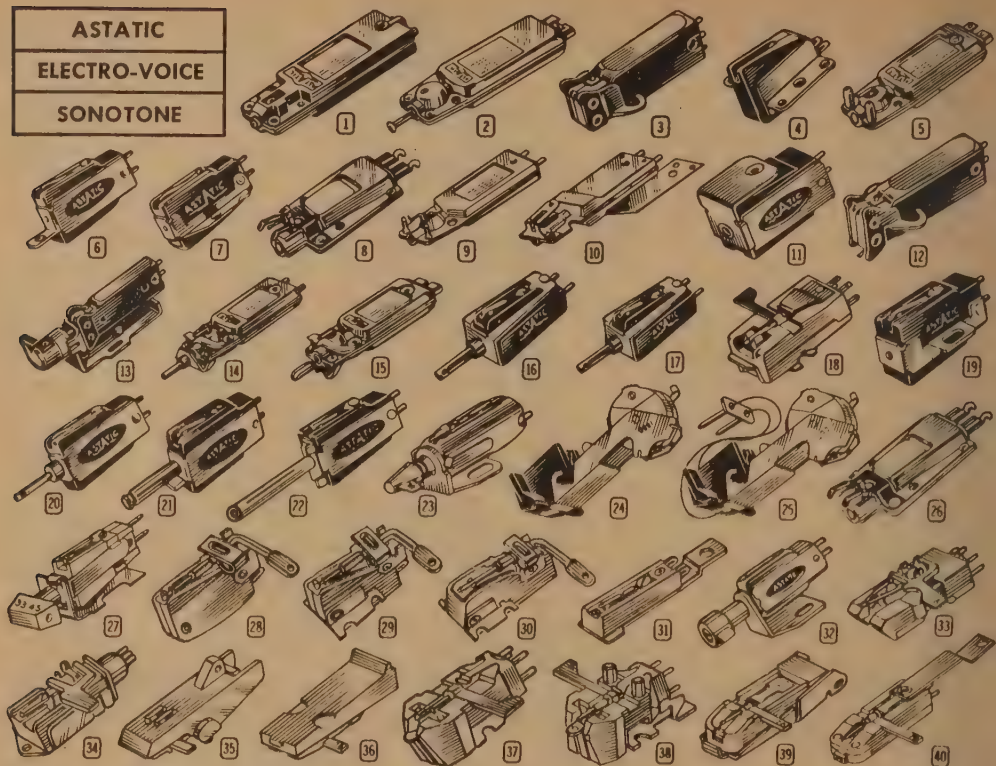
FREE Swatch Card

- Laboratory Tested and Approved
- Durable Open-Weave Saran Plastic
- Won't Sag, Shrink, or Fade

Beautifully woven grille cloth designed to keep dust and other foreign matter out of speaker and to allow free passage of sound waves. Big selection in highly attractive, color-fast patterns. You'll find a decorative pattern to match virtually any motif. Made of extremely durable Saran plastic in an open weave to permit unrestricted passage of all audio frequencies. Special construction and weaving prevent sagging and shrinking. Shpg. wt. per yard, 15 oz.
16 B 2108 X. Swatch Card. Free with Next Order.

Exact-Replacement Phono Cartridges

ASTATIC
ELECTRO-VOICE
SONOTONE



These stereo and monaural phonograph cartridges replace the originals used by most manufacturers of phonographs. In "Needle" column of tables below, S and D indicate .001" synthetic sapphire or natural diamond tip for long playing records; 3S, .003" synthetic-sapphire tip for 78-rpm records; 2S, .002" all-purpose synthetic-sapphire for all mono records; 7S and 7D indicate .0007" synthetic-sapphire or natural-diamond for stereo records. Av. shpg. wt., 3 oz.

SINGLE-NEEDLE MONAURAL CARTRIDGES

Stock No.	Mfr's Type	Exact Replacement For:	Fig.	Needle(s)	E.A.
16 B 1005	Ast. 24	Astatic 24	1	3S	2.91
16 B 1002	Ast. 12	Astatic 12	2	2S	2.62
16 B 1116	Ast. 40-1	Astatic 40-1	3	1S	3.82
16 B 1243	Ast. 40-2	Astatic 40-2	3	2S	3.82
16 B 1238	Ast. 51-1	Astatic 51-1	4	1S	4.35
16 B 1251	Ast. 51-2	Astatic 51-2	4	2S	4.35
16 B 1224	Ast. 66-2	Astatic 66-2	5	2S	2.91
16 B 1205	Ast. 310-2	Astatic 310-2	6	2S	2.91
16 B 1206	Ast. 414-1	Astatic 414-1	7	2S	2.62
16 B 1307	Ast. 414-2	Astatic 414-2	7	2S	2.62
16 B 1006	Ast. 416-2	Astatic 416-2	7	2S	3.20
16 B 1244	Ast. 408	RCA 75375	8	1S	2.62
16 B 1217	Ast. 62-1	RCA 103238, 103238A	8	1S	2.62
16 B 1118	Ast. 346	RCA 115058	8	1S	4.08
16 B 1009	E-V 17	Webster Electric R-30	9	2S	2.32
16 B 1010	E-V 50	Webster Electric P2-1	10	2S	2.91
16 B 1119	Ast. 340	Vaco 51255	11	2S	2.62
16 B 1137	Ast. 601	Singer H2200 Portable	31	1S	2.91

DOUBLE-NEEDLE MONAURAL CARTRIDGES

16 B 1219	Ast. 40T	Astatic 40T	12	1S/3S	4.09
16 B 1241	Ast. 40TB	Astatic 40TB	13	1S/3S	4.97
16 B 1223	Ast. 66TS	Astatic 66TS	14	1S/3S	4.26
16 B 1253	Ast. 66TV	Astatic 66TV	15	1S/3S	3.82
16 B 1013	Ast. 118	Astatic 118-TS	16	1S/4S	3.79
16 B 1014	Ast. 120	Astatic 120	16	1S/4S	3.79
16 B 1015	Ast. 124	Astatic 124TS	17	1S/4S	3.79
16 B 1120	Ast. 146	Ast. 146, BSR X111 (F)	18	1S/4S	3.79
16 B 1200	Ast. 310T	Astatic 310T	19	1S/4S	3.20
16 B 1016	Ast. 310TS	Astatic 310TS	20	1S/4S	3.20
16 B 1301	Ast. 314TS	Astatic 314TS	21	1S/4S	3.20
16 B 1017	Ast. 424	Astatic 424	22	1S/3S	3.82

DOUBLE-NEEDLE MONAURAL CARTRIDGES (Cont'd)

16 B 1021	S-E V 188D	Magnavox 560158-2	24	1D/3S	11.29
16 B 1022	S-E V 190D	Magnavox 560158-3	25	1D/3S	11.29
16 B 1018	E-V 120	BSR TCRII	23	1S/4S	2.82
16 B 1019	E-V 119	BSR TC8M	23	1S/4S	2.82
16 B 1026	E-V 87	Ronette TO-222	23	1S/3S	3.79
16 B 1141	Ast. 410	RCA 77779	26	1S/3S	3.82
16 B 1138	E-V 38	E-V 38	81	1S/3S	3.32
16 B 1139	E-V 88	Ronette DC 500/1	45	1S/3S	3.79
16 B 1027	E-V 80	Ronette TO-284	27	1S/3S	3.20
16 B 1145	E-V 89	E-V 89	62	1S/3S	2.91
16 B 1028	E-V 90	Ronette TO-284P	27	1S/3S	3.03
16 B 1146	So. 2TA-S	Sonotone 2T-S	29	1S/4S	4.35
16 B 1147	So. 2TA-LB-S	Sonotone 2T-LB-S	28	1S/4S	4.55
16 B 1148	So. 3T-S	Sonotone 3T-S	30	1S/3S	5.72
16 B 1149	So. 3T-SD	Sonotone 3T SD	30	1D/3S	7.76
16 B 1032	Ast. 470	Vaco TO-45X	41	1S/3S	3.50
16 B 1035	E-V 37	Webster Electric B200X	42	1S/3S	2.62

DOUBLE-NEEDLE STEREOGRAPHIC CARTRIDGES

16 B 1036	E-V 140D	Admiral 409C51-1	43	7S/7S	5.00
16 B 1037	Adm. 49D	Admiral 409C59-3	43	7D/3S	7.06
16 B 1355	Ast. 17	Astatic 17	18	7S/3S	6.91
16 B 1121	Adm. 153D	Adm. 409C62, -1, -2, -3, -4	50	7D/3S	7.35
16 B 1356	Ast. 17D	Astatic 17D	18	7D/3S	9.26
16 B 1315	Ast. 70TS	Astatic 70TS	46	7S/4S	4.26
16 B 1316	Ast. 74TS	Astatic 74TS	46	7S/4S	4.26
16 B 1313	Ast. 76TSB	Astatic 76TSB	46	7S/4S	4.67
16 B 1040	E-V 121	BSR TC8S	47	7S/4S	4.59
16 B 1043	E-V 137	Elac KST-102	48	7S/4S	4.41
16 B 1150	E-V 26	E-V 26	49	7S/3S	6.17
16 B 1151	E-V 26D	E-V 26D	49	7D/3S	9.70
16 B 1127	E-V 221	EliphonesE-1, U-1, U-8	33	7S/3S	5.85
16 B 1123	Ast. 140 G.E.	EA1003, Sears 33 420-0	18	7S/3S	4.41
16 B 1124	Ast. 142R	G.E. EA 1006, 15358-2	18	7S/3S	5.44
16 B 1125	Ast. 142RD	G.E. EA1009, 15358-1	18	7D/3S	7.20
16 B 1126	Adm. 142 G.E.	RS6518, Philco 325-8084	18	7S/3S	4.26
16 B 1045	E-V 127D	Magnavox 560281-3	51	7D/3S	9.70
16 B 1050	E-V 158D	Magnavox 560310-1	43	7D/3S	7.35
16 B 1046	E-V 127	Magnavox 560281-4	51	7S/3S	6.17
16 B 1047	E-V 126D	Magnavox 560296-1	52	7D/3S	9.70
16 B 1048	E-V 126	Magnavox 560296-2	52	7S/3S	6.17



ASTATIC
ELECTRO-VOICE
SONOTONE

DOUBLE-NEEDLE STEREOGRAPHIC CARTRIDGES (Cont'd)

Stock No.	Mfr's Type	Exact Replacement For:	Fig.	Needle(s)	EACH
16 B 1152	Ast. 420 BSR	TC8H, Ronette T0284	32	1S/3S	3.20
16 B 1153	Ast. 422 BSR	TC8RM, Ronette DC284	32	1S/3S	3.20
16 B 1154	Ast. 718	Euphonia U10	33	7S/3S	6.44
16 B 1155	Ast. 727	Euphonia U12	34	7S/3S	8.24
16 B 1156	Ast. 728	Euphonia U12-5	34	7S/3S	8.47
16 B 1157	Ast. 349	G.E. C-500	35	7D/3S	10.23
16 B 1158	Ast. 351D	G.E. C-650	36	7D/3S	10.23
16 B 1159	Ast. 157D	Philco 35-2865-1	37	7S/3S	9.26
16 B 1160	Ast. 157RD	Philco 35-2865-2	38	7D/3S	8.53
16 B 1161	Ast. 353D	RCA 115276, 115277	39	7D/3S	8.79
16 B 1162	Ast. 167D	Sears 33-413-0, 414-0	40	7D/3S	7.35
16 B 1072	E-V 150	Allied 466	43	7S/3S	4.41
16 B 1073	E-V 150D	Magnavox 860315-1	43	7D/3S	6.47
16 B 1038	E-V 132	Motorola 59C61496A01	44	7S/3S	4.12
16 B 1052	E-V 131	Motorola 59C61640A01 59P60024A24	53	7S/3S	4.67
16 B 1053	E-V 131D	Motorola 59C61640A02	53	7D/3S	7.61
16 B 1054	E-V 32D	Philco 325-S068	44	7D/3S	6.76
16 B 1058	E-V 250	Perpetuum Ebner PE-188	54	7S/3S	8.23
16 B 1062	E-V 186D	Philco 35-2865-2	55	7D/3S	8.53
16 B 1066	Ast. 477D	RCA 106771, A, B	56	7D/3S	11.17
16 B 1067	Ast. 477	RCA 106771, A, B	56	7S/3S	5.88
16 B 1068	Ast. 475D	RCA 106960A, 110023A	56	7D/3S	4.41
16 B 1163	E-V 95	Ronette 105	58	7S/3S	5.00
16 B 1164	E-V 96	Ronette 106	58	7S/3S	4.67
16 B 1131	E-V 97	Ronette 105-1 OV-1, T1	45	7S/3S	4.41
16 B 1069	Ast. 475	RCA 108213A, 110021A	56	7S/3S	5.88
16 B 1070	Ast. 487	RCA 111347	57	7S/3S	7.23
16 B 1071	Ast. 487D	RCA 111348	57	7D/3S	11.38
16 B 1140	Ast. 86TSB	Ronette 105	58	7S/3S	5.00
16 B 1132	E-V 98	Ronette 106-1, P-208-1	45	7S/3S	4.26
16 B 1313	Ast. 76TSB	Ronette 208, 208-2	58	7S/3S	4.67
16 B 1072	E-V 150	Sears 33-393-0, Allied 466	43	7S/3S	4.41
16 B 1165	So. 8TA4-S	Sonotone 8TA4-S	79	7S/3S	6.47
16 B 1166	So. 8TA4-SD	Sonotone 8TA4-SD	79	7D/3S	8.51
16 B 1167	So. 9TAF-S	Sonotone 9TAF-S	59	7S/3S	6.54
16 B 1189	So. 9TAF-SD	Sonotone 9TAF-SD	59	7D/3S	8.57
16 B 1190	So. 16TAF-S	Sonotone 16T, 18T, 916T	60	7S/3S	4.80
16 B 1191	So. 16TAF-SD	Sonotone 16T, 18T, 916T	60	7D/3S	6.84
16 B 1395	E-V 141	Telefunken T20/2, T200/2	61	7S/3S	7.61
16 B 1397	E-V 141D	Telefunken T20/D, T200/D	61	7D/3S	11.14
16 B 1088	E-V 148	V-M 29286-C	53	7S/3S	4.67
16 B 1089	E-V 148D	V-M 29286-C	53	7D/3S	7.61

DOUBLE-NEEDLE STEREOGRAPHIC CARTRIDGES (Cont'd)

Stock No.	Mfr's Type	Exact Replacement For:	Fig.	Needle(s)	E.A.
16 B 1133	Ast. 472	Vaco ST-2X, ST-20X	63	7S/3S	4.41
16 B 1134	Ast. 474	Vaco ST-4X, ST-40X	63	7S/3S	4.26
16 B 1168	Ast. 169D	Sears 33-413-0	40	7D/3S	7.35
16 B 1169	Ast. 603	Singer Model	77	7S/3S	4.09
16 B 1040	E-V 121	BSR TC8-S, S-H, S-M	80	7S/3S	4.59

PLUG-IN MONAURAL CARTRIDGES

Stock No.	Mfr's Type	Exact Replacement For:	Fig.	Needle(s)	E.A.
16 B 1192	Ast. 81T	Astatic 81T	77	1S/3S	2.32
16 B 1193	Ast. 81TX	Astatic 81TX	77	1D/3S	4.09
16 B 1194	Ast. 81TBX	Astatic 81TBX	64	1D/3S	4.67
16 B 1096	Ast. 89T	Astatic 89T	77	1S/3S	2.91
16 B 1097	Ast. 89TX	Astatic 89TX	77	1D/3S	4.67
16 B 1098	E-V 56	E-V 56D, 56DS	65	1S/3S	2.32
16 B 1104	E-V 66	Weber A1919	66	1S/3S	2.32
16 B 1105	E-V 66D	Weber A1920	66	1D/3S	5.85
16 B 1107	E-V 116	Zenith 142-87	67	1S/3S	2.32
16 B 1108	E-V 111	Zenith 152-77	68	1S/3S	4.41
16 B 1195	Ast. 89-1	Ast. 89-1, RCA 108555	77	1S	2.50
16 B 1196	Ast. 99-2	Zenith 142-72, 73	78	2S	2.94

PLUG-IN STEREOGRAPHIC CARTRIDGES

Stock No.	Mfr's Type	Exact Replacement For:	Fig.	Needle(s)	E.A.
16 B 1259	Ast. 13TX	Astatic 13TX	69	7D/3S	2.85
16 B 1257	Ast. 13TBX	Astatic 13TBX	64	7D/3S	2.85
16 B 1258	Ast. 13T	Astatic 13T	69	7S/3S	3.50
16 B 1256	Ast. 13TB	Astatic 13TB	64	7S/3S	4.08
16 B 1458	E-V 66	E-V 66D, 66DS	70	7S/3S	3.50
16 B 1459	E-V 66D	E-V 66D, 66DS	70	7D/3S	7.61
16 B 1462	E-V 106	E-V 106	71	7S/3S	3.50
16 B 1463	E-V 106D	E-V 106, 106DS	71	7D/3S	7.61
16 B 1466	E-V 108	E-V 108	72	7S/3S	3.50
16 B 1467	E-V 108D	E-V 108D, 108DS	72	7D/3S	7.61
16 B 1197	So. 10T2-S	Sonotone N10T2-S	73	7S/3S	5.14
16 B 1198	So. 10T2-SD	Sonotone N10T2-SD	73	7D/3S	7.17

SINGLE-NEEDLE STEREOGRAPHIC CARTRIDGES

Stock No.	Mfr's Type	Exact Replacement For:	Fig.	Needle(s)	E.A.
16 B 1403	E-V 21	E-V 21	74	7S	5.59
16 B 1413	E-V 21D	E-V 21D	74	7S	8.82

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- Top-Quality Diamond Needles
- Made by Famous Manufacturer
- Precision-Crafted for Allied
- High-Quality Reproduction
- Minimum Record Wear

Protect your records with a top-quality diamond replacement needle. Precision-crafted from whole diamonds by a famous manufacturer to Allied's exacting specifications. Offer minimum wear of record—and needle, and give infinitely better sound reproduction. Type-No. suffixes indicate: XD, single diamond stereo tip; XSD, synthetic sapphire (for 78 rpm) and stereo diamond tips; LPD, long-play diamond, monaural; SD, synthetic sapphire (for 78 rpm) and diamond, both monaural; P, diamond, monaural. Shpg. wt., 2 oz.

FOR ASTATIC CARTRIDGES

Stock No.	Type	Fig.	For Cartridge No.	EACH
16 B 1644	A-68SD	A	57-T Series	1.69
16 B 1658	A-74LPD	B	51, 53, 59, 402	1.69
16 B 1645	A-75LPD	C	ACD Series; 40, 41	1.69
16 B 1657	A-67LPD	D	64, 66, 68, 94, 405, 406	1.69
16 B 1171	A-98XSD	E	153, 157, 461, 481	1.69
16 B 1172	A-100XSD	E	140, 142, 146	1.69
16 B 1275	A-102XSD	E	138D	1.69
16 B 1276	A-104XSD	E	148D	1.69
16 B 1742	A-90XSD	F	17; 17D	1.69
16 B 1501	A-94XSD	G	133; 133D	1.69
16 B 1277	A-106XSD	G	181D	1.69
16 B 1669	CRA-55XD	H	70 Series; 80 Series	1.69

FOR BSR CARTRIDGES

16 B 1278	B1XSD	G	C-1	1.69
16 B 1669	CRA-55XD	H	TC-8S, H Series	1.69

FOR CBS CARTRIDGES

16 B 1671	CS-1XD	J	SC-1, 2, 7, 8	1.69
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FOR ELECTRO-VOICE CARTRIDGES

16 B 1667	E-98XD	K	21, 26	1.69
16 B 1510	E-10XSD	G	117, 131, 148	1.69
16 B 1514	E-15XSD	G	132; 132D	1.69
16 B 1518	E-16XSD	G	149; 149D	1.69
16 B 1279	E-19XSD	G	169D; 186D	1.69
16 B 1284	E-21XSD	G	198, 199; 282	1.69

FOR EUPHONIC CARTRIDGES

16 B 1614	J-47XD	L	E Series	1.69
16 B 1752	J-57XD	M	U-1 Series; U-2 Series	1.69
16 B 1039	EU-3XSD	P	U-12, U-13 (R)	1.69
16 B 1173	EU-2XSD	P	U-10, U-11, R	1.69

FOR G.E. CARTRIDGES

16 B 1642	G-19XD	R	VR-227	1.69
16 B 1643	G-20XD	R	VR-225	1.69
16 B 1523	G-1D	S	RFX Series	1.69
16 B 1054	G-1XD	S	RFX Series (for playing stereo records on mono equip.)	1.69
16 B 1060	G-4XD	T	4G Series VR11 (for playing stereo records on mono equip.)	1.69
16 B 1601	G-4D	T	4G Series; VR II	1.69
16 B 1502	G-21XSD	W	C-100	1.69
16 B 1286	G-24XSD	G	C500; C600	1.69

FOR RCA CARTRIDGES

16 B 1622	M-77XSD	X	106770A, 106771A	1.69
16 B 1653	M-74LPD	Z	75475, 75779, 75575	1.69
16 B 1753	M-80XSD	Y	110020, 110021	1.69
16 B 1287	M-84XSD	X	115276, 115303; 115303	1.69

FOR RONETTE CARTRIDGES

16 B 1649	CRA-55LPD	H	All Ronette Monaural; Astatic; BSR	1.69
16 B 1665	CRA-57XD	AA	P-105, 106; BF-40, Ronette Stereo; Admiral Ensign	1.69
16 B 1437	CRA-572D	AA	SCW-395-2	1.69

Allied also carries complete stocks of stereo and monaural phonograph cartridges to replace the originals used by most manufacturers. See pages 364-365 for complete listings and specifications of single or double needle cartridges, plug-ins, etc.

FOR SHURE CARTRIDGES

Stock No.	Type	Fig.	For Cartridge No.	EACH
16 B 1650	JPS-30LPD	BB	P-30, 72, 76, 77, 79; PC Series	1.69
16 B 1436	JPS-35SD	CC	P-7, 8, 9; W9; WC10	1.69
16 B 1651	JPS-36SD	CC	PC-2, 3, 4, 5; P-7, 8, 9; Wt-9, 10	1.69

FOR SONOTONE CARTRIDGES

16 B 1746	S-80XSD	DD	18T Series	1.69
16 B 1747	S-82XSD	DD	9T; 916T; 16T; Adm. Ensign	1.69
16 B 1620	S-71XSD	EE	8T; A Series	1.69
16 B 1655	S-61SD	FF	3T Series	1.69
16 B 1656	S-66SD	FF	2T, 5T, and 7T Series	1.69
16 B 1078	S-66XSD	FF	2T, 5T, 7T Stereo Series	1.69
16 B 1111	S-61XSD	FF	3T Series (for playing stereo records on mono equip.)	1.69

FOR TETRAD CARTRIDGES

16 B 1112	T-1XSD	N	611DP-2, 4; 111, 611SP-1, 211D-V4, 211D-M1	1.69
16 B 1136	T-2XSD	N	121, 621S-V1, 621D-V2, 2-21D-V6, 1-21D-M2, 4	1.69

FOR TELEFUNKEN CARTRIDGES

16 B 1750	TE-19XSD	GG	T-20; T-20DS	1.69
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FOR VACO CARTRIDGES

16 B 1669	CRA-55XD	H	ST-20; ST-40; ST-200	1.69
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FOR ZENITH CARTRIDGES

16 B 1174	Z1XSD	HH	142-126, 7, 8; 142-136, 7, 142-140, 41	1.69
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NEEDLE-CARTRIDGE COMBINATIONS



ZENITH "COBRA ARM" PLUG-IN NEEDLE-CARTRIDGES

Stock No.	Type No.	Zen. Type	Fig.	Stylus	EACH
16 B 1631	S-15780	Z-62	JJ	Syn. Sapphire	1.88
16 B 1635	142-76, 142-77	Z-59	KK	Syn. Sapphire	3.98
16 B 1697	142-76, 142-77	Z-59SD	KK	Diamond	8.95

DIAMOND PLUG-IN NEEDLE-CARTRIDGES

Stock No.	Type No.	Fig.	For Cartridge	EACH
16 B 1606	A-41SD	MM	Astatic 81TX	4.49
16 B 1610	A-43SD	MM	Astatic 89TX	4.49
16 B 1689	A-44XSD	MM	Astatic 13TX Stereo	4.95
16 B 1625	E-36SD	NN	E.V. 56DS	4.49
16 B 1627	E-37SD	LL	E.V. 76DS	4.49
16 B 1690	E-46XSD	NN	E.V. 66DS Stereo	4.95

SYNTHETIC-SAPPHIRE PLUG-IN NEEDLE-CARTRIDGES

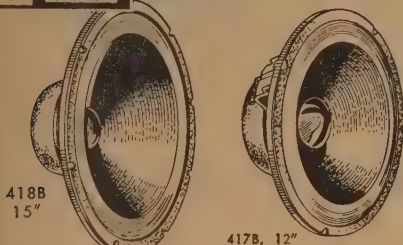
16 B 1623	A-41	MM	Astatic 81T	1.88
16 B 1609	A-43	MM	Astatic 89T	1.88
16 B 1615	A-44X	MM	Astatic 13T Stereo	3.49
16 B 1624	E-36	NN	E.V. 56	1.88



Musical Instrument Speakers

DESIGNED SPECIFICALLY FOR ELECTRIC GUITARS . .
FINEST QUALITY FOR EVERY PURPOSE AND BUDGET

ALTEC **NEW!** GUITAR SPEAKERS



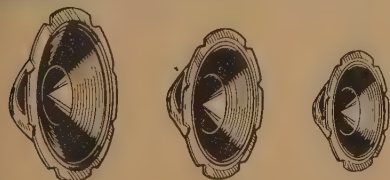
\$72.00 \$5 monthly
\$61.20 \$5 monthly

- Designed for Electric Guitars, String Bass, Electric Organs
- Reproduce Natural Brilliance and Sharp, Precise Bass
- Massively Constructed for High-Level Audio Input and Output

Type 418B, 15" professional-quality instrument speaker. Features 100 watts music power; 8-ohm, 3" aluminum ribbon voice coil; 8-lb. 10-oz. magnet structure; 13,000 gauss flux density; Eby nut binding-post terminals; 7" deep. 19 lbs. 16 B 3186 X, \$5 Monthly.....72.00

Type 417B, 12" professional-quality instrument speaker. The sophisticated amateur or discerning professional will be delighted with its performance. Handles 75 watts of music power. 5 1/2" deep. Other specs same as above. 17 1/2 lbs. 16 B 3185 X, \$5 Monthly.....61.20

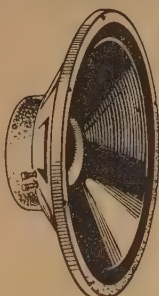
utah **CADENCE SPEAKERS**



- Provide Natural Reproduction of Amplified Instruments
- Cone Treated for Smooth Frequency Response and Long Life
- Massive Barium-Ferrite Magnet for High Flux Density
- Oversize Voice Coil Absorbs Heat of Transient Peaks

Full, rich tonal quality and crisp response. Plus heavy-duty construction—built to last. Heavy-gauge reinforced steel chassis provides strength and rigidity. Thick steel pot plates use full potential of massive barium-ferrite magnet. Oversize voice coil absorbs heat of transient peaks. Rubberized cone edges smooth frequency response and extend cone life. Flex-proof voice-coil leads. Exclusive internal dust seal. 8 ohms. *Use: EO, electric organ; G, guitar; BG, bass guitar; All, accordion and others.

Stock No.	Model No.	Size	Magnet Oz.	* Use	Wt., Lbs.	EACH
16 B 3516	MI-8JC	8"	10	EO, G	2 3/4	8.37
16 B 3182 X	MI-10PC	10"	20	EO, G	6 1/4	14.37
16 B 3519 X	MI-12PC	12"	20	All	6	14.97
16 B 3520 X	MI-12PXC	12"	28	All	9	19.50
16 B 3184 X	MI-12RC	12"	32	EO, BG	10 1/2	27.00
16 B 3523 X	MI-15PXC	15"	28	All	12	23.70
16 B 3183 X	MI-15RC	15"	32	EO, BG	12 1/4	30.00



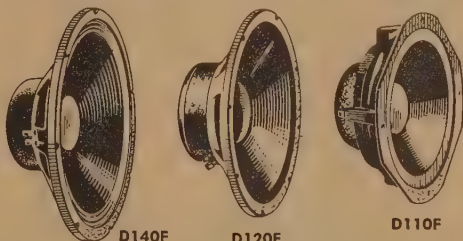
F-SERIES JAMES B. LANSING INSTRUMENTAL SPEAKERS

15"
\$102.00
\$6 monthly

- Instantaneous Response
- Large 4" Voice Coil
- 11-lb. Magnet Assembly
- Assembled by Hand
- Uncompromised Quality

D130F 15" INSTRUMENTAL SPEAKER

Choice of professionals for its rich, full tonal qualities. Designed for the perfectionist, this magnificent speaker, uncompromised in materials and craftsmanship, gives you precise, distortion-free sound throughout the entire audio spectrum. Now, all fine instrumentalists can be assured the same high standard of musical reproduction cherished by leading musicians. The quality of sound makes the big difference between amateur and true professional. This speaker is constructed to follow complex musical wave-patterns with effortless ease and fidelity. Has large 4" voice coil of edge-wound aluminum attached directly to the aluminum centerdome. Cast-aluminum frame is bolted to the huge 11-lb. magnet structure. Replaces any standard 15" speaker. 8-16 ohms. 13 1/2" mounting hole. Shpg. wt., 23 lbs. 16 B 3189 U, \$6 Monthly.....102.00



\$120.00 \$6 monthly
\$96.00 \$5 monthly
\$66.00 \$5 monthly

- Naturally Beautiful Reproduction of Guitars, Accordions, Organs
- Instantaneous Sound Response with Full Tonality and Crispness;
- Accepted and Acclaimed by the World's Leading Musicians

D140F 15" BASS GUITAR SPEAKER

Get stunning music reproduction with this precision-made instrumental speaker. Designed for the professional bass guitarist or organist. Its rich, full-tonality at any volume will reproduce the sound of your musical instrument as you've never heard it before. Has 4" voice coil and 11-lb. magnet structure. Solid construction throughout. 8-16 ohms. 13 1/2" mounting hole. 23 lbs. 16 B 3190 U, \$6 Monthly.....120.00

D120F 12" INSTRUMENTAL SPEAKER

The perfect speaker for guitars and accordions. Reproduces the vibrant, dynamic tone of your instrument. Sharply defined, rich bass and crisp treble tones no matter how hard you drive it. Follows complex guitar passages without distortion. You will be delighted with the sound of this speaker. 4" edgewound alum.-ribbon voice coil. 11-lb. magnet structure. 8-16 ohms. 11" mtg. hole. 21 lbs. 16 B 3188 U, \$5 Monthly.....96.00

D110F 10" INSTRUMENTAL SPEAKER

Made with the same care and fine materials as above. Provides you with magnificent sound reproduction—precisely-defined bass and crisp treble. Even if you have a small enclosure, you can replace your 10" speaker with this professional reproducer. The 3" voice coil is several times larger than those in ordinary speakers. 6-lb. magnet structure. 8-16 ohms. 9" mtg. hole. 15 lbs. 16 B 3187 X, \$5 Monthly.....66.00



5"x7" 6"x9" 5" 4"

GENERAL-PURPOSE REPLACEMENT SPEAKERS

- For Universal Replacement Use
- Built to EIA Standard Dimensions
- Rigid Frame Assures Alignment
- Ruggedly Constructed
- Precision-Centered Elements
- Dust-proofed Coils

Top-quality permanent magnet speakers at very low prices. Designed for replacement use in all types of music systems, or with new equipment. Ruggedly constructed throughout—to exacting EIA standards. Rigid frame assures permanent alignment of parts, assures longer service, better reproduction. Magnet and voice coil are precision centered for efficient, distortion-free sound. Dustproofed coils for longer life and reliability. Impedance, 3.2 ohms, except †, which indicates 8 ohms impedance. *Indicates extended-range speaker. †Indicates pincushion shaped basket. Made in U.S.A.

Stock No.	Size	Shape	Mag. Oz.	Max. Watts	Wt., Lbs.	EACH
16 B 3476	4"	Square	.68	3.0	1/2	1.25
16 B 3477	5"	†PC	.68	3.5	3/4	1.45
16 B 3472	5x7"	Oval	1.0	5.0	1	1.99
16 B 3471	6x9"	Oval	1.47	8.0	1 1/4	2.49
16 B 3493	*6x9"	Oval	1.47	8.0	1 1/4	2.69
16 B 3416	16x9"	Oval	1.47	8.0	1 1/4	2.49
16 B 3470	8"	†PC	2.15	9.0	1 1/2	2.79
16 B 3542	18"	†PC	2.15	9.0	1 1/2	2.59
16 B 3529 X	12"	Round	3.16	10.0	3 3/4	4.44

LOW-COST EXTENDED-RANGE COAXIAL SPEAKERS

These Two-Way Speakers Offer Top-Dollar Value



Ideal for use in low-cost music systems or as extension speakers. Provide clear highs and smooth, undistorted lows. Feature heavy-duty 1" voice coils, except 6x9" size, 3/4". Impedance, 8 ohms.

16 B 3553 X, 15" Coaxial Speaker. Woofer has 10-oz. Alnico V magnet; 5" tweeter has 1.47-oz. magnet, 40-13,000 Hz response, crossover at 1800 Hz. Power cap., 20 watts. Wt., 8 lbs. 12.95

16 B 3551 X, 12" Coaxial Speaker. Woofer has 6-oz. magnet; 4" tweeter has .68-oz. magnet, 40-15,000 Hz response, crossover at 2500 Hz. Power capacity, 15 watts. Shpg. wt., 5 lbs. 8.95

16 B 3552, 8" Coaxial Speaker. Woofer has 3-oz. magnet, tweeter has .68-oz. magnet, 50-13,000 Hz response, crossover at 3000 Hz. Power capacity, 9 watts. Shpg. wt., 6 lbs. 6.95

16 B 3554, 6x9" Coaxial Speaker. Oval speaker with 3-oz. magnet, 3" tweeter has .68-oz. magnet, 50-15,000 response, crossover at 3000 Hz. Power capacity, 8 watts. Shpg. wt., 1 1/2 lbs. 6.95

2x6" COMPRESSION TWEETER

Efficient design provides wide angle dispersion for good sound reproduction. Built-in crossover capacitor simplifies installation. Response: 2000-18,000 Hz. Employs 1.4-oz. magnet, with 3/4" voice coil. Power capacity, 30 watts. Impedance, 8 ohms. Shpg. wt., 1 3/4 lbs.

16 B 3539 6.95

4x10" MIDRANGE HORN

Die-cast midrange horn for replacement use or modernization of existing equipment. Adds striking realism to most speaker systems. Reinforces middle-range frequencies for fuller, richer sound. High sensitivity for increased "presence," wide dispersion angle for uniform distribution. Frequency response: 600-12,000 Hz. Handles 30-watt program peaks with proper crossover. Mounting flange, 10 1/2 x 3 1/2". Depth 11". 8 ohms impedance. Complete with capacitor crossover. Shpg. wt., 3 lbs.

16 B 3540 7.95

UTAH SPEAKERS FOR AUTO RADIOS AND TAPE PLAYERS

REAR-DECK SPEAKER KITS, UNIVERSAL SPEAKERS



DELUXE REAR-DECK SPEAKER KITS

Easy-to-install, quality extended-range speaker kits with duo-type 6x9" speakers. Include dash-mounted 3-way switch, hardware, wire, and instructions. Transistorized kits have 8-20-40 ohm speaker and volume control. Shpg. wt., 2 1/2 lbs.

For Non-Transistorized Radios:

16 B 3430, Gray Grille 3.89

16 B 3429, Chrome Grille 3.99

For Transistorized Radios:

16 B 3401, Gray Grille 4.89

16 B 3402, Chrome Grille 4.99



REAR-SEAT SPEAKER KIT

Multi-impedance speaker kit for cars with recessed grille in middle or rear seat. Includes 6" round speaker, 3-way volume control, dial plate, mtg. hardware, mtg. template, knob connectors, wire, easy instructions. Spring-steel lock nuts keep bolts from turning while being tightened; wire nuts eliminate soldering. 10-20-40 ohms. Less grille, 2 lbs.

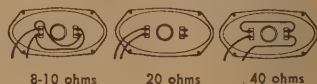
16 B 3450 5.95

OUR BEST REAR-DECK KIT

Enjoy "surround sound" in your car. 5" woofer, 3" tweeter, and crossover completely wired and assembled on a baffle plate. Fits 6x9" cutout. Volume control, hardware, chrome grille, 8-20-40 ohms.

16 B 3403, Shpg. wt., 2 1/2 lbs. 6.98

UTAH UNIVERSAL AUTO REPLACEMENT SPEAKERS



Standard universal replacement speakers with two separate voice coils that can be connected in place of 8-10, 20, and 40-ohm speakers. Most '61-'65 factory-radio equipped cars have 8-10 ohm speakers; 20 ohms for automatic radios; 40 ohms if Motorola. All have Alnico V magnets. Av. shpg. wt., 9 oz.

Stock No.	Mfr's Type	Size	Magnet Wt.	E.A.
16 B 3556	SP57D-M1	5x7"	1.47 oz.	4.11
16 B 3557	SP49D-M1	6x9"	1.47 oz.	4.35
16 B 3558	SP410E-M1	4x10"	2.15 oz.	5.07
16 B 3562	SP6D-M1	6" Rnd	1.47 oz.	4.11

NEW! UTAH STEREO AUTO SPEAKER SYSTEMS



Speakers Fit in Car Doors

TWO-SPEAKER SYSTEM. Simple to install in car doors without removal of door panels. System for 2-door cars, or front doors of 4-door cars, includes two 5" speakers with solderless connection terminals; two grilles that can be painted to harmonize with car interior; mounting hardware, wire, and easy instructions. 2 lbs.

16 B 3563 7.45

FOUR-SPEAKER SYSTEM. For 4-door cars. Includes four 5" speakers and grilles, wire, hardware, easy insts. 4 lbs.

16 B 3564 12.45

NEW! UTAH 10-WATT HI-FI 5" CAR-DOOR SPEAKER

New high-fidelity car-door speaker brings out the tone quality of your radio or tape player. Handles 10 watts of music power; gives 100-14,000 Hz response. Big 5.5-ounce barium ferrite magnet and large 3/4" voice coil provide superb power handling at low frequencies. Has specially treated moisture-resistant, long-life cone. Mtg. dia., 4 1/4"; 1 1/4" deep. 8 ohms. 1 1/4 lbs.

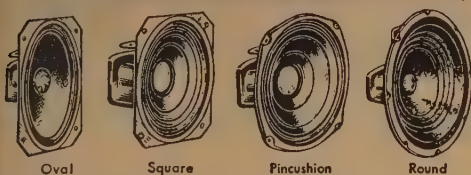
16 B 3565 4.50

Speakers by Quam, Utah and Misco

BUY IN PAIRS AND SAVE 10%



QUAM GENERAL-PURPOSE REPLACEMENT SPEAKERS



Oval Square Pincushion Round

Have Alnico V magnets, baked-enamel finish. *Very shallow frame. Imp., 3.2 ohms, except types for transistor uses: 22A06Z8, 8; 22A06Z100, 100; 27A06Z12, 12. "PC" in table is pincushion.

Stock No.	Mfr's Type	Shape	Size	Cap. W.	Mag. Oz.	Wt. Lbs.	EA.	PER PAIR
16B3424	22A06Z8	Round	2 1/4"	.25	.45	1/4	2.79	5.02
16B3425	22A06Z100	Round	2 1/4"	.25	.45	1/4	3.09	5.56
16B3422	25A07	Square	2 1/2"	1.5	.65	1/4	2.14	3.85
16B3426	27A06Z12	Round	2 3/4"	.25	.55	1/4	2.76	4.97
16B3485	30A05	Square	3"	2.0	.55	1/4	1.69	3.04
16B3453	3A07	Square	3 1/2"	2.5	.65	1/2	2.14	3.85
16B3417	4A05	Sq.*	4"	2.5	.55	1/4	1.58	2.84
16B3561	26A07	Oval	2x6"	2.0	.65	1/2	2.30	4.14
16B3421	35A05	Oval	3x5"	2.0	.55	1/2	2.24	4.03
16B3434	4A07	Sq.*	4"	3.0	.65	1/2	2.30	4.14
16B3435	4A1	Square	4"	3.0	1.0	1/4	2.46	4.43
16B3436	4A1	Square	4"	3.0	1.47	1/4	2.70	4.86
16B3454	46A07	Oval	4x6"	3.5	.65	1/4	2.54	4.57
16B3461	46A15	Oval	4x6"	3.5	1.47	1	2.94	5.29
16B3427	48A2	Oval	4x8"	4.5	1.4	1	4.25	7.65
16B3484	410A2	Oval	4x10"	6.0	1.4	1 1/4	4.78	8.60
16B3437	5A07	PC	5"	3.5	.65	3/4	2.40	4.32
16B3439	5A15	PC	5"	3.5	1.47	1	2.80	5.04
16B3478	52A1	PC	5 1/4"	4.0	1.0	1	2.65	4.77
16B3405	52C10	PC	5 1/4"	10.0	1.00	2 1/2	5.32	9.58
16B3455	57A1	Oval	5x7"	5.0	1.0	1	2.94	5.29
16B3447	57A21	Oval	5x7"	5.0	2.15	1 1/4	3.61	6.50
16B3487	58A15Z8	Oval	5x8"	5.0	1.47	1	4.17	7.51
16B3440	6A1	PC	6 1/2"	5.0	1.0	1	2.83	5.09
16B3445	6A31	PC	6 1/2"	6.0	3.16	1 1/2	4.06	7.31
16B3462	69A2	Oval	6x9"	8.0	1.4	1 1/2	4.01	7.22
16B3463	69A3	Oval	6x9"	10.0	3.2	1 1/4	4.92	8.86
16B3407	69A1S	Oval*	6x9"	6.0	1.2	2 1/2	4.55	8.19
16B3449	7A21	PC	7"	6.0	1.4	1	3.87	6.99
16B3443	8A21	PC	8"	7.0	2.15	1 1/2	4.15	7.47
16B3444	8A31	PC	8"	9.0	3.16	2 1/4	4.81	8.66
16B3480	10A6A	Round	10"	12.0	6.8	3 1/2	7.75	13.95
16B3533X	12A6A	Round	12"	14.0	6.8	4 1/2	8.53	15.35

WEATHERPROOFED OUTDOOR SPEAKERS

"Humi-Gard" cone of plastic impregnated fiber fabric outlasts ordinary moisture-proofed cones. Impedance, 3.2 ohms.

Stock No.	Mfr's Type	Size	Shape	W	Mag.	Wt. Lb.	EA.	PER PAIR
16B3432	3A07OT	3 1/2"	Square	2.5	.65 oz.	1/2	2.14	3.85
16B3448	4A05OT	4"	Square	2.5	.55 oz.	1/4	1.73	3.11
16B3547	5A05OT	5"	Pincush.	3.0	.55 oz.	1/4	2.03	3.65

45-OHM INTERCOM SPEAKERS

PM speakers for replacement in intercommunications systems.

Stock No.	Mfr's Type	Size	Shape	Mag.	Wt. Lb.	EA.	PER PAIR
16 B 3481	3A07Z45	3 1/2"	Square	.65 oz.	1/2	2.50	4.50
16 B 3482	4A1Z45	4"	Square	1.0 oz.	3/4	2.85	5.13
16 B 3483	5A1Z45	5"	Pincush.	1.0 oz.	1	3.00	5.40

PERSONAL REMOTE SPEAKER

This speaker lets you enjoy good-quality, personalized listening to your TV, radio or phonograph. Excellent as an extension speaker, too. Two controls, one for the speaker, the other for the radio, TV, etc. Easy to install, simply connect cable from your remote to speaker leads in your radio, TV, or phonograph. Has attractive, high impact plastic case, 4x4x2". With 20-ft. cable. From Japan. Wt., 1 lb.

16 B 3515..... Each 3.95 Pair 7.11



NEW! SAVE 15% ON UTAH "SPECIAL DEALER PAK"



Save \$1.68

5 for \$9.45

Five shallow-profile speakers that fit anywhere, at a savings of \$1.68. You get two 4" 16 B 3457, two 5" 16 B 3420, and one 6x9" 16 B 3467 speakers at a 15% savings. 5 lbs. 16 B 3566X..... 9.45

UTAH SHALLOW-PROFILE HIGH-EFFICIENCY SPEAKERS

- Micro-Gap Replacement Speakers
- So Slim They Fit Anywhere
- Provide Big Sound—Use Little Space
- High Flux-Density Alnico V Magnets

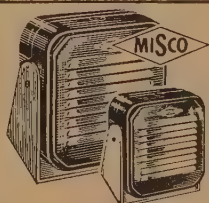


Exceptionally shallow, highly-efficient replacement speakers for use in radio's, TV's, electronic test equipment, etc. Their slim profile lets them fit anywhere. Alnico V magnets provide gap flux-density equaling or exceeding EIA standards. Give you more drive per ounce, better response, fuller tone. Can be used with new miniaturized components without taking up a lot of space. Slim profile is achieved by G.E.'s wafer-thin magnet, and one-piece pot. All have 3-4 ohms impedance, except Types SP8J8 and SP12J8, which have 8 ohms impedance. Type SP25A is for use with transistorized circuits. PC in table indicates pincushion. *Indicates speaker has transformer mounting facilities.

Stock No.	Mfr's Type	Shape	Size	W	Dep.	Mag. Oz.	Lb.	EA.	Per Pair
16B3500	SP25A	Square	2 1/4"	2	1 1/8"	.68	1/4	2.25	4.05
16B3501	SP3A	Square	3"	3	1 1/8"	.68	1/4	2.19	3.94
16B3456	SP35A	Square	3 1/2"	3	1 1/8"	.68	3/4	2.22	4.00
16B3457	SP4Y	Square	4"	4	1 1/2"	.55	3/4	1.68	3.02
16B3502	*SP4B	Square	4"	4.5	1 1/8"	1.00	3/4	2.52	4.54
16B3420	SP5V	PC	5"	4	1 1/8"	.55	3/4	2.01	3.62
16B3503	*SP5B	PC	5"	5	1 1/8"	1.00	3/4	2.55	4.59
16B3458	SP6A	PC	6"	6	2 1/8"	.75	3/4	2.58	4.64
16B3505	*SP6D	PC	6"	6.5	2 1/8"	1.47	3/4	2.94	5.29
16B3507	*SP6RL	PC	6"	8	3"	3.16	1 1/2	4.23	7.61
16B3459	SP8D	PC	8"	8	2 3/4"	1.47	3/4	3.33	5.96
16B3508	*SP8J8	Round	8"	10	3 1/8"	3.16	2	4.92	8.86
16B3509	*SP8J8	Round	8"	12	4 1/8"	6.8	3 1/4	6.51	11.72
16B3510X	*SP12J8	Round	12"	14	5 1/8"	6.8	4 3/4	7.80	14.04
16B3511	SP46A	Oval	4x6"	4	1 1/8"	.68	1/4	2.61	4.70
16B3466	SP53Y	Oval	5x3"	4	1 1/8"	.55	3/4	2.25	3.98
16B3406	SP57A	Oval	5x7"	4.5	2 1/4"	.75	3/4	2.85	4.98
16B3512	SP57D	Oval	5x7"	6.5	2 1/8"	1.47	1	3.27	5.89
16B3467	SP69B	Oval	6x9"	7.0	2 1/4"	1.00	1 1/4	3.75	6.58
16B3513	SP69D	Oval	6x9"	7.5	2 1/4"	1.47	1 1/4	3.78	6.80
16B3514	SP69G	Oval	6x9"	10	3 1/8"	3.16	1 1/2	5.01	9.02

ALL-WEATHER SPEAKERS FIGHT MOISTURE AND DIRT

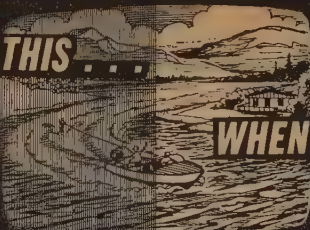
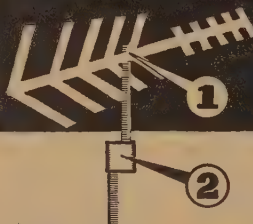
- Rugged Outdoor Speakers
- Perform Under All Conditions
- Cones Treated for Long Life
- Acoustically Designed Louvers



Each speaker is housed in a rugged, 20-gauge-steel enclosure that is weatherproof and dustproof. Withstands the destructive effects of humidity, temperature, shock and corrosive climates. Perfect for patios, outdoor theaters, factories etc. Has acoustically designed louvers, and perforated plate backing. Treated speaker cones. Impedance, 8 ohms. Type MS-3BB, 3 1/2" "Mini-Speaker" has 1-oz. magnet; is 4x4x2 1/2", 3-watt capacity. Type MMS-8-F, 8" "Music-Mini" has 3.16-oz. magnet; is 9x9x4 1/4", 70-13,000 Hz response. Power handling capacity, 8 watts.

16 B 3414, MS-3BB, 1 1/2 lbs., Each 5.78 Per Pair 10.40
16 B 3550, MMS-8-F, 5 lbs., Each 12.10 Per Pair 21.78

DON'T SETTLE FOR THIS . . .



**WHEN YOU CAN BE
WATCHING THIS!**

**Choose the TV Antenna and Rotator System
That Meets Your Own Reception Needs . . .**

2 KEY FACTORS IN GETTING THE BEST PICTURE POSSIBLE . . .

1. ANTENNA

**Worn-Out Antennas
Can Destroy
Picture Quality**

**Today's Antennas
Give Better
Color-TV Pictures**

**It's Easy to
Install Your Own
TV Antenna**

Over a period of years, slow weathering of every antenna can cause a gradual, unnoticed decrease of picture quality. "Ghosts," "snow," and other annoying interference can also be caused by a weather-worn antenna system. So before blaming your TV, check your antenna.

Color TV demands an antenna system with flat frequency response, for true-to-life color pictures. Color-recommended antennas in this catalog also offer high directivity to reject ghosts and other signals that spoil color reception. Allied has the right antenna for you.

All antennas in this catalog are designed for easy installation. Just unfold them, tighten screws with regular household tools. Usually you can install your new antenna on your old antenna's mast.

2. ROTATOR

**Color TV Comes
Alive With A Good
Antenna Rotator**

**Get Better Color
From Fringe-Area
TV Stations Too**

**Get Stations
From More Than
One City**

**Rotators Improve
Stereo FM
Reception Too**

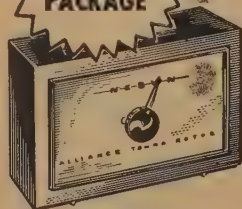
Only a precisely aimed antenna can give you the movie-clear color pictures you expect. If your color TV is being transmitted from more than one location, a rotator is a "must" for top-quality color.

In fringe areas, a rotator can make an amazing difference. You aim your antenna at each station for strongest picture possible—get good color where it might not be possible without a rotator.

Many communities are able to receive TV from two or more cities, located in different directions. A rotator makes it easy to zero-in on all stations.

Multipath signals (ghosts) can spoil FM reception, the same way they ruin TV pictures. If you live in a difficult or fringe-area, a rotator can tune-out these unwanted signals for superior stereo FM.

**SPECIAL
VALUE
PACKAGE**



SAVE OVER 10% ON THIS SPECIAL

\$47.93 When
Purchased
Separately

\$42.75

\$5 monthly



VHF Up to 125 Miles
UHF Up to 60 Miles
FM Up to 65 Miles

Money-Saving TV-FM Antenna and Rotator Outfit

- One Antenna Serves All Your Needs
- For All 82 TV Channels plus FM

- Rotates 360° in Just 60 Seconds
- Rotation Is Instantly Reversible

An Allied Exclusive. Save over 10% on this antenna and rotator value. Package includes Knight "Mark 18-A" Fringe Antenna, and Alliance T-45 Manual Rotator system. Mark 18-A Antenna is very sensitive and has flat response. Brings in VHF channels 2-13 and UHF channels 14-83. Strengthens FM or FM stereo multiplex signals.

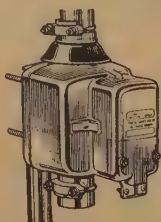
"Gold-Cote" finished aluminum provides long-lasting protection against moisture and rust. Heavy-duty 1" square 8-ft., 4-in. boom. Snap-lock brackets, drive lines, and solid-rod UHF elements of spring-temper aluminum. Low-loss polystyrene insulators. Includes VHF/UHF splitter.

T-45 Rotator is designed for precise, easy-to-use operation. Precision 5-wire circuit is unaffected by

motor current, cable length or line voltage variations. Slight pressure on the control bar rotates antenna through 360°, stops instantly on release. Positive mechanical stop at end of rotation. Clockwise or counter-clockwise rotation. Speed, one rpm.

Motor operates on 24 volts supplied by transformer in control box. Lifetime lubrication. Stainless steel bearings. Moisture-sealed. External hardware is stainless steel or corrosion-resistant material. Mahogany plastic control unit, 4½x6½x2½". U.L. Listed. For 110-120 VAC. Less mast. Foam-type lead-in recommended. Order 5-conductor rotator cable from facing page. Shipped truck or express. Pkg. shpg. wt., 18 lbs.

11 B 0900 L22W. Outfit, \$5 Monthly. . . . **42.75**

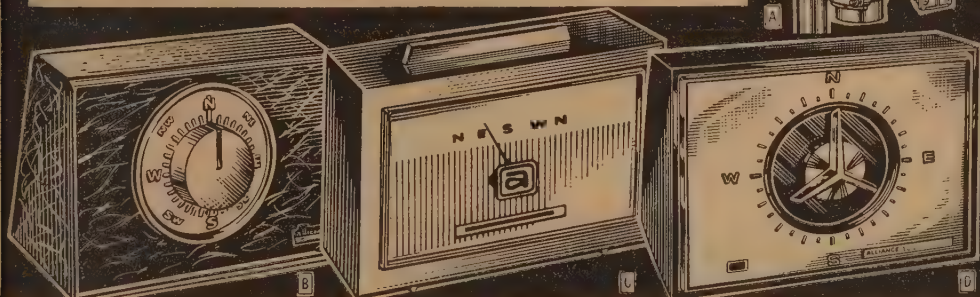
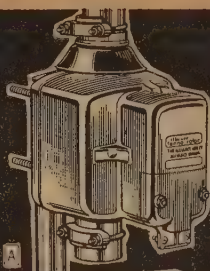




Alliance Rotator System

Direction Makes the Difference

Proper antenna direction is essential for better "all around" reception—especially color TV. Get the best signal from every station for the clearest reception possible! Precise directional control gives top performance in all TV or FM reception areas.



U-100 AUTOMATIC ROTATOR SYSTEM

\$2878

- Heavy-Duty System
- Automatically Aims Antenna
- Rotates 360° in 60 Sec.

\$5 monthly

T-45 MANUAL ROTATOR SYSTEM

\$2398

- Touch-Bar Control
- Accepts Extra Control Units
- Pointer Shows Direction

\$5 monthly

C-225 SOLID-STATE AUTOMATIC ROTATOR SYSTEM

\$3597

- Aims Automatically
- All-Transistor Control Unit
- Phase-Sensing Circuit

\$5 monthly

This economical outfit provides positive, automatic antenna rotation. Simply turn pointer on control unit's compass dial, and antenna automatically turns itself to the direction you have chosen, then stops. Permits positioning antenna for reception of strongest possible signal.

Rotates 360° at one rpm. Positive mechanical stop prevents over-travel. Lubricated and moisture sealed. External hardware stainless steel or corrosion-resistant material. Mahogany plastic control unit, 7x4 1/2x4". U.L. Listed. 110-120 VAC. Order 4-conductor cable below. Wt., 10 lbs.

11 B 2442 W. \$5 Monthly..... **28.78**

Our lowest-priced antenna rotator. Just touch the control bar, on control unit, and antenna rotates at one rpm until you release bar. Special feature lets you add extra control units if you have more than one TV set—you can control antenna from each set. Rotator is unaffected by motor current, cable length or line voltage.

Rotates clockwise or counter-clockwise. Order five-conductor cable below. Control unit, 4 1/2x6 1/2x2 1/4". For 110-120 volts AC. Shpg. wt., 10 lbs.

11 B 1555 W. \$5 Monthly..... **23.98**

Extra Control Unit. Use with T-45 above.

11 B 1690 W. Shpg. wt., 4 lbs. Each **13.95**

Transistorized control unit assures positive, stepless, synchronous antenna control throughout the full 360° rotation. Completely silent—no solenoids. Extremely sensitive—accurately zeros-in on desired stations each time. Provides the extra sensitivity needed for color TV.

Features patented phase-sensing electronic bridge circuit, and thermostatically protected primary circuit. Magnetic brake and sensing circuit eliminates over-travel. Positive mechanical stop at end of rotation. The instantly reversible motor rotates at a speed of one rpm.

Moisture sealed and factory lubricated for life. All external hardware is stainless steel or made of corrosion-resistant materials. Two-tone plastic control cabinet is only 5x6 1/2x4 1/4". For 110-120 VAC. Order 5-conductor cable below. Wt., 9 1/2 lbs.

11 B 1512 W. \$5 Monthly..... **35.97**

TBB2 ANTENNA THRUST-BEARING BRACKET

Eliminates the possibility of damage to rotator systems. Designed for use with heavier-type antennas. Minimizes strain on rotator by relieving it of antenna's weight. Protects gears against lateral strain. For masts to 1 1/4" in dia.

11 B 1246 W. Shpg. wt., 3 lbs..... **2.91**

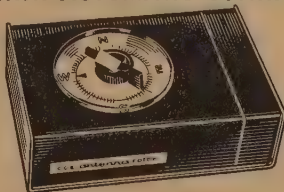
CD E AR-22R ROTATOR SYSTEM WITH AUTOMATIC CONTROL

Successor to the famous AR-22, the AR-22R features the same time-tested circuit in a low, in-line cabinet that blends beautifully with modern TV or Hi-Fi styling. Simple dial setting automatically positions antenna in 6° increments for precision tuning. Highly reliable in repeatability and accuracy. Has reset switch built into the control base. Just set control for desired direction, then rotator takes over and positions antenna precisely at desired point.

Rotates 360° in just 45 seconds. Dial can be marked with station's channel numbers or call letters. Instantly reversible. Magnetic brake prevents over-travel. Rotator may be mounted on mast, tower or platform. Permanently lubricated for lifetime trouble-free operation. Precision ball bearings and gears in a die-cast, heavily reinforced "bell" housing are designed to handle large TV and FM arrays.

Strong, reversible clamps for mounting on masts from 1/4" to 2" O.D. Complete with three guy lugs. Requires 4-conductor cable listed below. Attractive, low silhouette, vinyl covered metal control cabinet. Size, 6 1/4x4 1/4x2 3/4". For operation from 110-120 volts, 50-60 Hz AC. Shipped truck or express. Shpg. wt., 15 lbs.

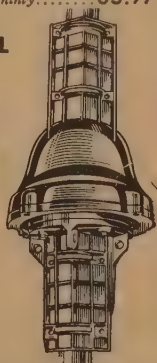
11 B 1396 W. \$5 Monthly..... **33.95**



\$3395

\$5 monthly

- Weatherproof
- Handles Up to 150 lbs.



4 AND 5-CONDUCTOR ROTATOR CABLE

4-CONDUCTOR CABLE. For use with Cornell-Dubilier AR-22R above. Also for Alliance U-100. Shpg. wt. per 100-ft., 3 lbs.

11 B 1237. 100-Ft. Coil..... **2.89**

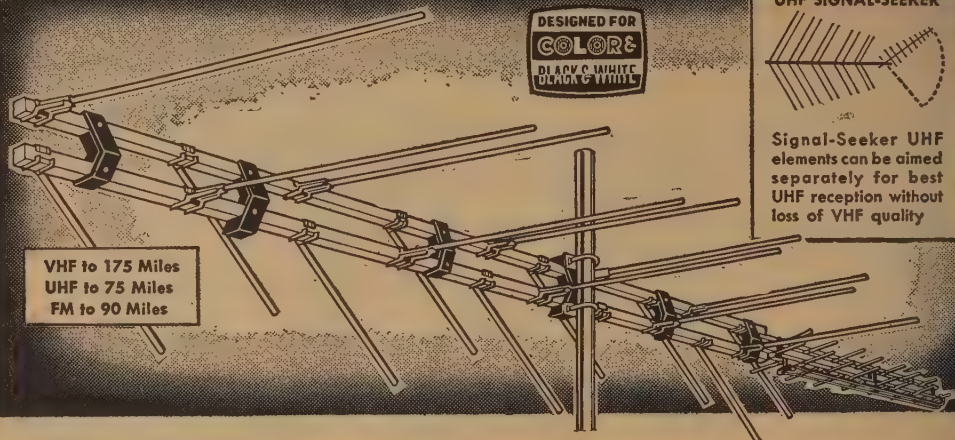
11 B 1241. 250-Ft. Coil..... **6.98**

5-CONDUCTOR CABLE. For use with Alliance T-45 and C-225 rotator systems above. Shpg. wt. per 100-ft., 3 1/2 lbs.

11 B 1513. 100-Ft. Coil..... **3.69**

11 B 1515. 250-Ft. Coil..... **8.98**

3 ANTENNAS IN 1 Deluxe Colorset Series



VHF to 175 Miles
UHF to 75 Miles
FM to 90 Miles

DESIGNED FOR
COLORSET
BLACK & WHITE
BLACK & WHITE

UHF SIGNAL-SEEKER



Signal-Seeker UHF elements can be aimed separately for best UHF reception without loss of VHF quality

KNIGHT SUPER-POWER "COLORSET 55" DEEP-FRIDGE ANTENNA

With UHF-UHF Splitter

\$34⁹⁵

\$5 monthly

- ✓ All Purpose 3-in-1 Antenna for VHF-UHF-FM
- ✓ Our Strongest, Most Powerful 3-in-1 Antenna
- ✓ Directive Design for More Sensitive Pickup
- ✓ Super-Power Antenna—55 Driven Elements
- ✓ Multiple-Drive Elements Increase Sensitivity
- ✓ 160" Twin Boom Including UHF

Extra-Heavy-Duty Construction

- Triple-Thick, Rugged Sleeved Elements
- Wrap-Around Brackets Are 300% Stronger
- Double-Size Arrowhead Insulators
- One-Inch Tubular Boom Bracing
- Gold-Corodized to Fight Corrosion

Allied's Knight "Colorset 55" super-power antenna is the best value anywhere in an all-purpose VHF-UHF-FM antenna. It's our strongest, most powerful 3-in-1 antenna. Compare it with any other brand for price and performance. Fifty-five driven elements permit movie-clear pictures in color or black-and-white on VHF and UHF channels, and pull in FM stations from up to 90 miles away. With this important breakthrough in antenna design, you need only one antenna, not three, for all TV channels and the 88-108 MHz FM broadcast band.

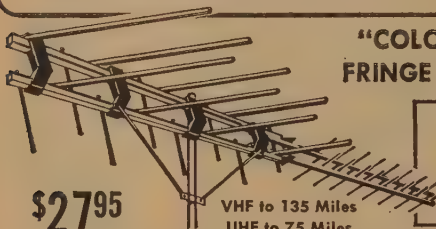
The preassembled twin-boom supports all 55 elements: 30 colinear driven elements for TV channels 7-13, and 15 driven elements for channels 14-83 with no parasites, plus 10 elements for TV channels 2-6 and FM with no parasites. High sensitivity (gain) and flat frequency response for clearest reception possible. Good directivity reduces multipath reception (ghosts), so important for distortion-free color and stereo FM.

The Colorset 55 boasts a special design that makes it our strongest antenna. It defies high winds and wet, heavy snow. And it's gold-corodized inside and out to fight corrosion and maintain its handsome appearance. Massive, double-size arrowhead insulators are used, together with wrap-around brackets, which provide 300% greater strength than conventional construction. Triple-thick, rugged sleeved elements. One-inch tubular boom bracing prevents sagging. Exclusive boom support and sideways control complete a masterful mechanical design.

Includes VHF-UHF signal "splitter" so you need run only one lead-in from antenna to your receiver—place splitter behind receiver, then run two short leads from splitter to VHF and UHF antenna terminals on receiver. Special filter network isolates signals. 300-ohm antenna impedance. Foam-type lead-in recommended. Less mast. Truck or express.

11 B 2000 ZW. Shpg. wt., 15½ lbs. \$5 Monthly..... **34.95**

"COLORSET 47" FRIDGE ANTENNA



\$27⁹⁵

\$5 monthly

VHF to 135 Miles
UHF to 75 Miles
FM to 80 Miles

Signal-Seeker
For Finest UHF

- Three Antennas in One—VHF-UHF-FM
- Bright, Vivid, True-to-Life Color
- Sharp Black-and-White, Clear FM
- Boasts 47 Sturdy Driven Elements
- 134" Twin Boom Including UHF
- Gold-Corodized to Fight Rust

Similar to "Colorset 55" above, but not for deep fringe. Engineered for both color and black and white. Eliminates parasites with 8 low-band and FM driven elements, 24 colinear high-band driven elements, 15 driven UHF elements. Brings in sharp pictures on VHF channels 2-13 and UHF channels 14-83, clear FM reception. 300 ohms. Foam-type lead-in recommended. Less mast. Includes VHF-UHF signal splitter. Shipped by truck or express. Shpg. wt., 12½ lbs.

11 B 2001 ZW. \$5 Monthly..... **27.95**

NEW

KNIGHT 75-OHM COAXIAL CABLE CONVERSION KIT



\$5⁹⁵

- For Colorset and Mark Series
- Low Loss Improves Pictures
- Especially Helpful for Color

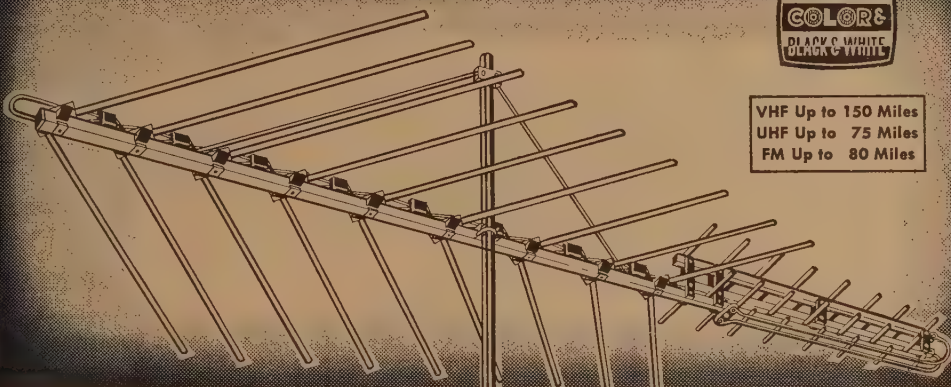
Convert Knight Colorset and Mark Series 300-ohm antennas to use 75-ohm coaxial cable download for improved reception in problem areas. Booms are pre-punched for 75-ohm matching transformers. Behind-the-set transformer matches the 75-ohm coax download and splits the UHF and VHF into the 300-ohm terminals found on most TV sets. With hardware and connectors.

11 B 1337. Wt., 1 lb..... **5.95**

3 ANTENNAS IN 1 Famous Mark Series



VHF Up to 150 Miles
UHF Up to 75 Miles
FM Up to 80 Miles



KNIGHT "MARK-24A" 82-CHANNEL DEEP-FRinge ANTENNA

With UHF-VHF Splitter

\$29⁹⁵

\$5 monthly

- ✓ One Antenna Serves All Needs—UHF-VHF-FM
- ✓ "Swept Forward" Design for Sensitive Pickup
- ✓ Multiple-Drive Elements for Extra Sensitivity
- ✓ Brings You Sharp, Clear, True Color Reception
- ✓ Top FM and FM Stereo Multiplex Reception
- ✓ Easy to Install, Just One Down-Lead

Heavy-Duty Construction

- Years of Trouble-Free Service
- Protective Gold Corodized Finish
- Continuous One-Piece Drive Line
- Hi-Impact Crossover Spacers
- Tough, Triple-Sleeved Elements

Install one antenna, not three. Save dollars, cut installation time, and avoid annoying clusters of antennas on your roof. Just one antenna serves all your needs—VHF channels 2-13, UHF channels 14-83, and FM or FM stereo multiplex. Antenna has 24 driven elements so that even in fringe or problem areas you get high gain and flat response for superb FM and FM stereo, plus sharp, true color or black-and-white TV reception. The multiple-drive elements provide increased gain. Sharply directive "Swept Forward" design for sensitive pickup.

Antenna brings you true color—brighter, more natural, vivid true-to-life pictures free from the unnatural color that can retard the enjoyment of your favorite program. Adds eye-pleasing warmth to your color viewing. Improves black-and-white reception with sharper pictures. Strengthens FM or FM stereo multiplex signals so that you enjoy the full realism of static-free FM reception. Hear more stations than before.

Sturdy antenna will provide many years of trouble-free service. Easy to install, uses just one down-lead. Entire antenna is protected from corrosion by a beautiful gold-corodized finish. Has continuous one-piece drive line; reinforced, triple-sleeved elements to provide extra strength. Snap-lock brackets; hi-impact crossover spacers; solid-rod UHF elements of spring-temper aluminum. Bracing supports 1" square 11'3"-long boom. Antenna is preassembled. Maximum width when open is 9 feet.

Has 300-ohm impedance, but is adaptable to 75-ohm cable using Knight 75-ohm Conversion Kit described on opposite page. Antenna boom is preuphatched for easy installation of conversion kit. Less mast. For 300-ohm use, foam-type lead-in is recommended. Includes VHF-UHF splitter to split signal from antenna to permit connecting independent leads to VHF and UHF antenna terminal. Truck or express. 11 lbs.

11 B 2002 ZW. \$5 Monthly.....29.95

KNIGHT VHF-UHF-FM SPLITTER/COUPLER

\$3⁹⁵



- For Colorset, Mark Series
- Splits Signal From Antenna



For use with Colorset and Mark Series, or other VHF-UHF-FM antennas using single down-lead. "Splits" signal from antenna to permit running 3 independent leads to receiver terminals—UHF and VHF TV, and FM. With instructions and hardware for mounting on mast or behind receiver.

11 B 1340, 5 oz.....3.95

KNIGHT "MARK-18A" FRINGE ANTENNA

\$23⁹⁵

- High, Gain, Flat Response
- Excellent for Color
- Three Antennas in One

Pulls in VHF, UHF and FM. "Gold-Cote" finish resists corrosion. Heavy-duty one-inch-square boom, 8 1/2 feet long. Snap-lock brackets, drive lines and solid-rod UHF elements of spring-temper aluminum. Pre-assembled. 300 ohms. Foam-type lead-in recommended. With VHF-UHF splitter. Less mast. Truck or express. 8 lbs.

11 B 2003 ZW. \$5 Monthly.....23.95



VHF to 125 Miles
UHF to 60 Miles
FM to 65 Miles

KNIGHT "MARK-12A" NEAR-FRinge ANTENNA

\$16⁹⁵

- Sharp TV and Clear FM
- Color and Black-and-White
- Gold-Corodized Finish

VHF-UHF-FM. 1"-square heavy-duty 69" boom. Brackets, drive lines, and solid-rod UHF elements of spring-temper aluminum. Preassembled. 300 ohms. Foam lead-in recommended. Less mast. With VHF-UHF splitter. Trk. or exp. 5 1/4 lbs.

11 B 2004 ZW.....16.95



VHF to 100 Miles
UHF to 50 Miles
FM to 60 Miles

Save 10% or More on Knight Antenna Outfits Selected for Outstanding TV Pictures



GET OPTIMUM RECEPTION AND SAVE MONEY BY PUTTING UP YOUR OWN ANTENNA SYSTEM

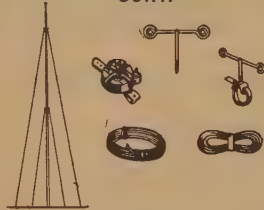
Get everything you need to make your complete VHF/UHF TV-FM antenna installation and save money too. Antennas are engineered by Allied for ease of installation and top performance. Receive all TV channels from 2 to 83, plus FM. Each of the antenna packages in the price tables below includes a Knight antenna—Mark 24 or 18, or Colorset 55 or 47—and all the items shown or listed in Fig. A. You may also order a package including (B) manual rotator, or (C) automatic rotator. Rotator lets you aim antenna directly at each station. Each antenna is listed with a choice of 20-ft. or 40-ft. mast.



**DO IT YOURSELF
AND SAVE!**

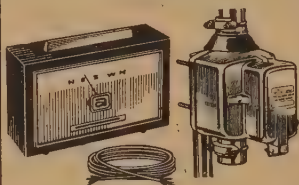
PICK THE ANTENNA, MAST, AND ROTATOR OUTFIT THAT FITS YOUR NEEDS

A BASIC ANTENNA OUTFIT



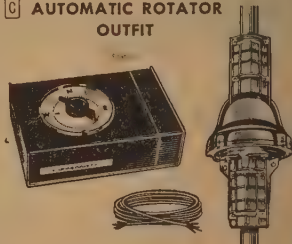
Complete with antenna and all accessories for installation. Masts are "slip up" type with an "all-angle" base mount. Includes guy and ground wires, 100-ft. foam-type twin line, lightning arrester, hardware, insulators, VHF-UHF splitter and complete instructions.

B MANUAL ROTATOR OUTFIT



Includes: Basic Antenna Outfit; Alliance T-45 Heavy-Duty TV Antenna Rotator; stylish meter-type control box; 100-ft. of rotator cable and extra 5-ft. mast. Rotator boasts convenient touch-bar operation. Supplied complete with instructions for easy assembly.

C AUTOMATIC ROTATOR OUTFIT



Includes: Basic Antenna Outfit; plus deluxe Cornell-Dubilier AR-22-R heavy-duty Antenna Rotator and fully-automatic Control Unit for utmost convenience; 100-ft. of rotator cable and extra 5-ft. mast. Complete with instructions for quick and easy assembly.

"COLORSET 55" COMPLETE 82-CHANNEL TV-FM ANTENNA OUTFITS

Range: Up to 175 Miles for VHF—Up to 75 Miles for UHF—Up to 90 Miles for FM

See Page 372 For Complete Information on Knight "Colorset 55" Antennas

Description	BASIC ANTENNA OUTFIT			MANUAL ROTATOR OUTFIT			AUTOMATIC ROTATOR OUTFIT		
	Stock No.	Lbs.	EACH	Stock No.	Lbs.	EACH	Stock No.	Lbs.	EACH
Outfit with 20-ft. Mast	11 B 0048 L3ZW	42	44.95	11 B 0046 L4ZW	69	76.50	11 B 0044 L4ZW	67	83.95
Outfit with 40-ft. Mast	11 B 0047 L3ZW	67	51.95	11 B 0045 L4ZW	86	84.95	11 B 0043 L4ZW	84	92.95

"COLORSET 47" COMPLETE 82-CHANNEL TV-FM ANTENNA OUTFITS

Range: Up to 135 Miles for VHF—Up to 75 Miles for UHF—Up to 80 Miles for FM

See Page 372 For Complete Information on "Colorset 47" Antennas

Outfit with 20-ft. Mast	11 B 0042 L3ZW	39	39.50	11 B 0040 L4ZW	66	69.95	11 B 0038 L4ZW	64	77.50
Outfit with 40-ft. Mast	11 B 0041 L3ZW	64	45.95	11 B 0039 L4ZW	83	79.50	11 B 0037 L4ZW	81	86.50

"MARK 24" COMPLETE 82-CHANNEL TV-FM ANTENNA OUTFITS

Range: Up to 150 Miles for VHF—Up to 75 Miles for UHF—Up to 80 Miles for FM

See Page 373 For Complete Information on "Mark 24" Antennas

Outfit with 20-ft. Mast	11 B 0036 L3ZW	37	41.50	11 B 0034 L4ZW	68	63.95	11 B 0032 L4ZW	66	79.50
Outfit with 40-ft. Mast	11 B 0035 L3ZW	62	51.95	11 B 0033 L4ZW	85	79.95	11 B 0031 L4ZW	83	88.50

"MARK 18" COMPLETE 82-CHANNEL TV-FM ANTENNA OUTFITS

Range: Up to 125 Miles for VHF—Up to 60 Miles for UHF—Up to 65 Miles for FM

See Page 373 For Complete Information on "Mark 18" Antennas

Outfit with 20-ft. Mast	11 B 0030 L3ZW	34	35.95	11 B 0028 L4ZW	65	66.50	11 B 0026 L4ZW	63	73.95
Outfit with 40-ft. Mast	11 B 0029 L3ZW	59	46.50	11 B 0027 L4ZW	82	74.94	11 B 0025 L4ZW	80	82.95

ALLIED'S Own Knight VHF TV Antennas

DESIGNED FOR
COLOR &
BLACK & WHITE

Triple Tapered Elements

\$39⁹⁵
\$5 monthly

RANGE UP TO
200 MILES

\$21⁹⁵
\$5 monthly

RANGE UP TO
150 MILES

5-STAR SUPER-FRinge ANTENNA

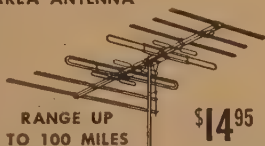
super-powered 40-element antenna. Boasts 33 high-band, 7 low-band elements for greatest signal pickup power. "Duo-Twin Drive" gives performance equal to six half-wave driven elements. Reinforced 13' boom. "Lock-Tite" no-tilt bracket, suspension support rods, triple-tapered elements with three-wall-thickness at bracket end. Gold-corodized, 300 ohms. Less mast, Express or truck. Shpg. wt., 15½ lbs.

I B 2267 ZW, \$5 Monthly.....39.95

3-STAR FRINGE-AREA ANTENNA

for fringe-area. High sensitivity and directivity. 19 elements; 5' 10" boom; gold plating resists corrosion. "No-tilt" saddle bracket. 90-ohm impedance. Less mast. Shipped truck or express. Wt., 7 lbs.

I B 1333 UW....14.95



RANGE UP
TO 100 MILES

\$14⁹⁵

4-STAR HEAVY-DUTY FRINGE ANTENNA

- 26 Elements for Superb Color or Black & White Reception
- Gold Corodizing Guards Against Rust and Corrosion
- Suspension Rods on Boom Prevent Sag—Add Years of Service.

Allied's most popular high-sensitivity twin-driven VHF antenna. Provides superior reception of color or black-and-white. Has 21 elements for channels 7-13, and 5 elements for 2-6 to assure extremely high sensitivity and directivity. Rugged all-aluminum. Gold-corodized finish (even on the brackets) fights corrosion. Corodizing does not obstruct, but rather enhances current flow—another "plus" for fringe-area reception. Since corodizing acts as a conductor, it need not be removed at contact points (unlike anodizing, which acts as an insulator).

Sagproof suspension system features a big 7' 9" long boom with sturdy bracing rods that increase boom strength 8 times. "Snap-out" construction. "No-tilt" saddle bracket. Reinforced sleeve elements at point of snap-out action give extra protection against effects of high winds and ice. 300 ohms. Less mast, Shpg. wt., 8½ lbs. Shipped truck or express.

I B 1331 ZW, \$5 Monthly.....21.95

COMPLETE OUTFITS WITH KNIGHT VHF TV ANTENNAS

Complete outfits—include all accessories needed to make your antenna installation, there is nothing extra to buy—complete instructions are included, too. Available in three

different combinations to suit your needs. Save money, too—all outfit prices are substantially less than the total catalog prices of individual items purchased separately.

BASIC ANTENNA OUTFIT



Includes: Knight 4 or 5-Star Antenna and 20-ft. or 40-ft. "slip-up" mast, all-angle mount, guy and ground wire, 100-ft. twin-line, arrestor, hdwe, instructions.

MANUAL ROTATOR OUTFIT



Basic Antenna Outfit plus Alliance T-45 Manual Rotator and Control Unit; 100-ft. of rotator cable and extra 5-ft. mast. With Instructions for easy installation.

AUTOMATIC ROTATOR OUTFIT



Basic Antenna Outfit plus CDR AR-22-R Automatic Rotator and Control Unit for utmost convenience; 100-ft. of rotator cable and extra 5-ft. mast. With instructions.

"5-STAR" COMPLETE SUPER-FRinge TV ANTENNA OUTFITS (Up to 200-Mile Range)

Description	BASIC ANTENNA OUTFIT			MANUAL ROTATOR OUTFIT			AUTOMATIC ROTATOR OUTFIT		
	Stock No.	Lbs.	EACH	Stock No.	Lbs.	EACH	Stock No.	Lbs.	EACH
Outfit with 20-ft. Mast	I B 0060 L3ZW	40	49.95	I B 0056 L4ZW	73	77.95	I B 0054 L4ZW	71	89.95
Outfit with 40-ft. Mast	I B 0059 L3ZW	65	59.95	I B 0055 L4ZW	90	87.95	I B 0053 L4ZW	88	98.95

"4-STAR" COMPLETE DEEP-FRinge TV ANTENNA OUTFITS (Up to 150-Mile Range)

Description	BASIC ANTENNA OUTFIT			MANUAL ROTATOR OUTFIT			AUTOMATIC ROTATOR OUTFIT		
	Stock No.	Lbs.	EACH	Stock No.	Lbs.	EACH	Stock No.	Lbs.	EACH
Outfit with 20-ft. Mast	I B 0058 L3ZW	33	33.95	I B 0052 L4ZW	66	62.95	I B 0050 L4ZW	64	73.95
Outfit with 40-ft. Mast	I B 0057 L3ZW	58	44.95	I B 0051 L4ZW	79	71.95	I B 0049 L4ZW	81	82.95

You Get More for Your Money at Allied

ALLIED 375

Log-Periodic VHF and All-Band Antennas

NEW!

A PRODUCT OF SPACE-AGE RESEARCH

Developed Through
Research at the
University of Illinois



Tops for color or black-and-white TV, plus stereo-FM. Designed to deliver camera-lens sharpness in virtually every location. Developed at the University of Illinois Research Laboratories and proved in Air Force satellite telemetry. LPV antennas feature harmonically resonant V-elements operating on the log-periodic cellular principle in the fundamental and 3rd harmonic modes. Receive all channels "best" —with maximum sharpness, clarity, freedom from snow and ghosts. Gain: Up to 14 dB with extra gain on high channels where it's needed. Bandwidth: Frequency-independent log-periodic design delivers broadband performance without discriminating against any channel or frequency.

Response: Consistently flat ($\pm 1/2$ dB) across both low and high bands for finest color reception.

Directivity: Sharpest of any all-band antenna. Rejects noise, ghosts, interference, other unwanted signals.

Planar Grid UHF Driver

New UHF design steps-up gain, flattens response, narrows beam width on UHF channels 14 to 83.

Reactance-Loaded Dipoles



Great antenna innovation. Unique electronic antenna principle uses series coupling capacitors to vastly increase the number of working elements. Gives you maximum gain and directivity in an antenna for VHF channels 2-13 or VHF-UHF channels 2-83.

Construction Features

100% preassembled! "Flip-Quick" lets you snap elements into place in seconds. Gold Alodized finish fights corrosion, is electrically conductive to improve signal. Life-time stainless-steel take-off terminals can never corrode. Oversize "tank-turret" element bracket; non-breakable heavy-wall Polypropylene "X" insulators; twin U-bolts with 6-inch mast grip span; Permanently riveted aluminum drive-line rod.

LPV-VU180

\$47³¹ \$5
monthly

VHF to 150 Miles
UHF to 90 miles
FM to 60 miles

DESIGNED FOR
**COLOR &
BLACK & WHITE**

JFD

Log-Periodic VHF-UHF TV-plus-FM Antennas

- Receive TV Channels 2-83 plus FM
- Great for Color and Black & White
- New Planar-Grid UHF Driver
- New, Improved Reactance-Loaded Dipoles

Feature log-periodic design described at left. Sturdy, twin square aluminum crossarms, solid-aluminum matching transformers. LPV-VU180 and LPV-VU150 have boom braces for rigid element and director support. LPV-VU180, LPV-VU150, LPV-VU120 have line splitter to run separate leads to VHF, UHF, FM terminals; others have VHF, UHF line splitter only. All 300 ohms. Less mast. Foam-type lead-in recommended. Truck or exp.

Stock No.	Model No.	Elements	Boom Lgth.	Max. Width	Max. Range Miles			Shpg. Wt. Lbs.	EACH
					VHF	UHF	FM		
11 B 1666 ZW	LPV-VU180	35	206"	92"	150	90	60	20	47.31
11 B 1667 ZW	LPV-VU150	30	175 3/4"	92 1/2"	125	80	50	15	41.08
11 B 1668 ZW	LPV-VU120	26	157"	92 1/2"	110	70	50	15	34.69
11 B 1669 UW	LPV-VU90	21	112 3/4"	92"	90	60	40	12	28.14
11 B 1670 KW	LPV-VU60	14	97"	91"	70	40	30	10	21.41
11 B 1671 KW	LPV-VU40	11	67 1/2"	88"	50	30	25	7 1/2	17.68
11 B 1672 KW	LPV-VU30	9	46 1/2"	91"	40	30	20	5 1/2	15.77

DESIGNED FOR
**COLOR &
BLACK & WHITE**

LPV-TV190

\$53⁶²

\$5 monthly
Range Up To
200 Miles

JFD

Log-Periodic VHF-FM Antennas For Up to 200 Miles

- Capacitor Coupled Dipoles Give Uniform Gain on All VHF Channels
- All Supplied 100% Preassembled
- Twin Square Aluminum Booms

Log-Periodic design for uniform response on all VHF-TV channels. For color or black-and-white TV, stereo or mono FM reception. LPV-TV190, LPV-TV160, LPV-TV130, LPV-TV100 antennas have boom braces. Others listed have same rugged construction, need no boom braces. All are 300 ohms. Antennas less mast. Shipped by truck or express.

Stock No.	Model No.	Elements	Boom Length	Max. width	Range in Miles	Wt. Lbs.	EACH
11 B 1680 ZW	LPV-TV190	19	205"	90"	Up to 200	25	53.62
11 B 1681 ZW	LPV-TV160	16	180"	90"	Up to 175	19	41.08
11 B 1682 ZW	LPV-TV130	13	150"	88"	Up to 150	15	34.69
11 B 1683 ZW	LPV-TV100	10	120"	88"	Up to 125	11	29.63
11 B 1684 KW	LPV-TV80	7	81"	86"	Up to 100	8	23.24
11 B 1685 KW	LPV-TV60	5	51"	86"	Up to 75	6	17.69
11 B 1686 KW	LPV-TV50	3	30"	84"	Up to 50	4	14.50

Save 10% or More on Antenna Outfits

BUY A COMPLETE ANTENNA OUTFIT

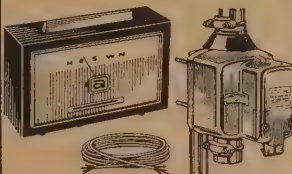
Complete—nothing extra to buy. Available in three different combinations to suit your needs. And you save money, too! Outfit prices are actually LESS than the total price of individual components purchased separately.

BASIC ANTENNA OUTFIT



Includes everything you need for a first-rate installation. Take your choice of JFD Log-Periodic Antenna and 20 or 40-ft. steel "slip-up" mast, plus: all-angle mount; guy wire; 100-ft. of 300-ohm twin line; 50-ft. of ground wire; ground rod; lightning arrester; standoff insulators; guy hooks.

MANUAL ROTATOR OUTFIT



Hi-impact plastic control cabinet has convenient twist-bar action. Includes Alliance T-45 manual control rotator system, basic antenna outfit, extra 5-ft. mast, plus 100-ft. rotor cable. For 110-120 V, 60 Hz AC.

AUTOMATIC ROTATOR OUTFIT



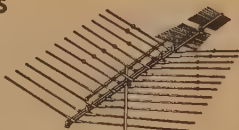
Noiseless and stepless. Boasts 1° tuning accuracy. Includes CDE AR-22R antenna rotator system with automatic control, basic antenna outfit, extra 5-ft. mast, 100-ft. rotor cable. 110 V, 60 Hz AC.

COMPLETE OUTFITS WITH JFD 82-CHANNEL VHF-UHF-FM ANTENNAS

- All Feature High-Gain "3-in-1" TV-FM Antenna
- Include Everything Needed for Installation

- Choice of Mast Height to Suit Your Location
- Available With Manual or Automatic Rotator

Feature JFD "3 in 1" antennas for complete TV and FM coverage. Basic outfits include 20 or 40-ft. mast (distance to station determines which antenna to use, terrain determines mast height); all-angle mount; guy wire; 100-ft. tubular twin line; lightning arrester; hardware; signal splitter. Outfits with rotators include either T-45 manual rotator system, or AR-22R automatic rotator system, and accessories. Rotators let you "beam" antenna for best reception. Shipped by truck or express.



LPV-VU180 "3-IN-1" ANTENNA OUTFITS—Up to: 150 Miles VHF—90 Miles UHF—60 Miles FM

Description	BASIC ANTENNA OUTFIT			MANUAL ROTATOR OUTFIT			AUTOMATIC ROTATOR OUTFIT		
	Stock No.	Lbs.	EACH	Stock No.	Lbs.	EACH	Stock No.	Lbs.	EACH
Outfit with 20-ft. Mast	11 B 0556 L3ZW	44	54.95	11 B 0554 L4ZW	71	83.95	11 B 0551 L4ZW	69	93.95
Outfit with 40-ft. Mast	11 B 0555 L3ZW	69	64.95	11 B 0553 L4ZW	83	92.95	11 B 0552 L4ZW	86	99.95

LPV-VU150 "3-IN-1" ANTENNA OUTFITS—Up to: 125 Miles VHF—80 Miles UHF—50 Miles FM

Outfit with 20-ft. Mast	11 B 0562 L3ZW	39	49.45	11 B 0560 L4ZW	66	77.95	11 B 0558 L4ZW	64	88.95
Outfit with 40-ft. Mast	11 B 0561 L3ZW	64	59.95	11 B 0559 L4ZW	83	86.95	11 B 0557 L4ZW	81	94.95

LPV-VU120 "3-IN-1" ANTENNA OUTFITS—Up to: 110 Miles VHF—70 Miles UHF—50 Miles FM

Description	BASIC ANTENNA OUTFIT			MANUAL ROTATOR OUTFIT			AUTOMATIC ROTATOR OUTFIT		
	Stock No.	Lbs.	EACH	Stock No.	Lbs.	EACH	Stock No.	Lbs.	EACH
Outfit with 20-ft. Mast	11 B 0568 L3ZW	38	42.95	11 B 0566 L4ZW	58	71.95	11 B 0564 L4ZW	63	82.95
Outfit with 40-ft. Mast	11 B 0567 L3ZW	63	52.95	11 B 0565 L4ZW	82	81.50	11 B 0563 L4ZW	82	92.45

COMPLETE OUTFITS WITH JFD LOG-PERIODIC VHF ANTENNAS

Feature JFD log periodic antennas that provide uniformly high gain on all VHF channels plus FM. Basic outfits include 20 or 40-ft. mast (distance to station determines which antenna to use, terrain determines mast height); all-angle mount; guy wire; 100-ft. twin line; lightning arrester; hardware; signal splitter. Outfits with rotators include T-45 manual rotator system, or AR-22R automatic rotator system, and all accessories. Let you "beam" antenna. Shipped by truck or express.



LPV-TV190 VHF ANTENNA OUTFITS—Range up to 200 Miles for VHF

Description	BASIC ANTENNA OUTFIT			MANUAL ROTATOR OUTFIT			AUTOMATIC ROTATOR OUTFIT		
	Stock No.	Lbs.	EACH	Stock No.	Lbs.	EACH	Stock No.	Lbs.	EACH
Outfit with 20-ft. Mast	11 B 0574 L3ZW	47	59.50	11 B 0572 L4ZW	76	89.95	11 B 0570 L4ZW	74	97.50
Outfit with 40-ft. Mast	11 B 0573 L3ZW	72	69.64	11 B 0571 L4ZW	93	98.95	11 B 0569 L4ZW	91	105.95

LPV-TV160 VHF ANTENNA OUTFITS—Range up to 175 Miles for VHF

Description	BASIC ANTENNA OUTFIT			MANUAL ROTATOR OUTFIT			AUTOMATIC ROTATOR OUTFIT		
	Stock No.	Lbs.	EACH	Stock No.	Lbs.	EACH	Stock No.	Lbs.	EACH
Outfit with 20-ft. Mast	11 B 0580 L3ZW	43	49.45	11 B 0578 L4ZW	71	79.95	11 B 0576 L4ZW	70	86.95
Outfit with 40-ft. Mast	11 B 0579 L3ZW	68	59.95	11 B 0577 L4ZW	89	88.95	11 B 0575 L4ZW	87	95.95

LPV-TV130 VHF ANTENNA OUTFITS—Range up to 150 Miles for VHF

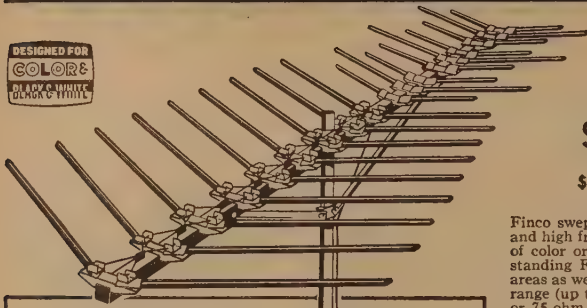
Description	MANUAL ROTATOR OUTFIT			MANUAL ROTATOR OUTFIT			AUTOMATIC ROTATOR OUTFIT		
	Stock No.	Lbs.	EACH	Stock No.	Lbs.	EACH	Stock No.	Lbs.	EACH
Outfit with 20-ft. Mast	11 B 0586 L3ZW	39	42.95	11 B 0584 L4ZW	68	73.95	11 B 0582 L4ZW	66	81.50
Outfit with 40-ft. Mast	11 B 0585 L3ZW	64	53.95	11 B 0583 L4ZW	85	82.95	11 B 0581 L4ZW	83	89.95

NOTE:

Antennas and antenna outfits that have a Stock No. ending with the letter "W" are shipped separately from any other items on your order, from our warehouse in Maywood, Illinois.

Finco Outdoor VHF Television Antennas

DESIGNED FOR
COLOR
BLACK & WHITE
SOUND



75-OHM COAX CABLE ANTENNAS GIVE SUPERIOR COLOR TV PICTURES



Special 75-ohm antenna package includes built-in antenna transformer and coax connectors Indoor transformer connects to TV set and to coax cable

YOUR CHOICE—COAX OR 300-OHM VHF-TV/FM ANTENNAS

Low As

\$10.50

\$5 monthly

- Low-Loss 75-Ohm Coax Cable Models
- Standard 300-Ohm Twin-Lead Models
- For High-Fidelity Color Pictures
- Top Reception in Problem Areas
- Models with Range Up to 200 Miles

Finco swept-element Ve-Log antennas provide uniform high gain and high front-to-back ratio to bring you the super-sharp reception of color or black-and-white TV on VHF channels 2-13, and outstanding FM and stereo-FM performance. Excellent for problem areas as well as metropolitan areas. Ten models give you a choice of range (up to 200 miles) and lead-in impedance—standard 300-ohm or 75-ohm shielded coaxial cable lead-in.

The 75-ohm lead-in models offer superior color performance, with low signal loss and excellent shielding from interference. No lead-in standoffs are required—you can run it alongside or through gutters and pipes without signal loss or impedance mismatching. Ve-Log antennas are driven with constant spacing for achieving uniform gain and flat response over the entire VHF band.

Construction features include heavy-duty 1" square boom in "lock-tite," no-tie saddle bracket and heavily-sleeved elements to combat high winds. One-piece aluminum rod drive-line—there are no joints—eliminates any possibility of loose connections. Antennas are gold-corroded to fight corrosion and to give long-lasting beauty. Preassembled snap-on construction for easy installation. Foam-type lead-in recommended on 300-ohm models. Less mast. Shipped by truck or express. 75-ohm antennas include coax connectors and an antenna transformer, plus an indoor transformer for use at TV set.

75-OHM COAXIAL CABLE COLOR-SPECTRUM ANTENNAS

Include coax connectors, antenna transformer and indoor transformer for connection to TV set. Less 75-ohm coaxial cable.

Stock No.	Mfr's Type	Elements	TV Range Up to	FM Range Up to	Boom Lgth.	Wt., Lbs.	EACH
11 B 1712 ZW	XCS-V18	18	200 miles	90 miles	181"	15	38.95
11 B 1713 ZW	XCS-V15	15	175 miles	75 miles	155"	14	34.15
11 B 1714 ZW	XCS-V10	10	125 miles	50 miles	119"	10	26.95
11 B 1715 UW	XCS-V7	7	100 miles	50 miles	81"	7	19.95
11 B 1716 KW	XCS-V5	5	75 miles	50 miles	54"	5	15.56

300-OHM VE-LOG ANTENNAS

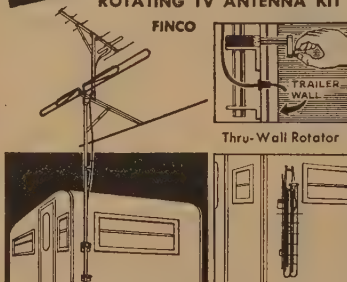
Range, boom length and shpg. wt. same as for 75-ohm antennas with same number of elements.

Stock No.	Mfr's Type	Elements	EACH
11 B 1717 ZW	CS-V18	18	33.88
11 B 1718 ZW	CS-V15	15	29.09
11 B 1719 ZW	CS-V10	10	21.56
11 B 1720 UW	CS-V7	7	14.96
11 B 1721 KW	CS-V5	54"	10.50

NEW

"UP-DOWN" TRAVEL TRAILER ROTATING TV ANTENNA KIT

FINCO



Thru-Wall Rotator

UP... a far-reaching broadband antenna

DOWN... looks out of the way

\$37.98

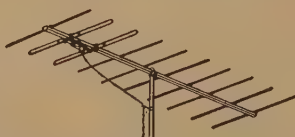
\$5 monthly

- For 82-Channel VHF/UHF
- Rotates From In Trailer
- Folds Down for Travel

MODEL 52. Broadband VHF-UHF antenna gives superb reception in trailers, folds down compactly for travel. No parts to store inside. Goes up in seconds, rotates by hand from inside trailer. Easily installed, with single lead-in and back-of-set splitter. Fully assembled. With 8' telescoping mast, rotating mechanism, UHF-VHF splitter, twin-lead, brackets.

11 B 2080 XW. Shpg. wt., 6 1/2 lbs.... **37.98**

SINGLE-CHANNEL SENSITIVE "GEOMATIC" YAGI-TYPE VHF TELEVISION ANTENNAS



- For Reception Up to 125 Miles
- Gold-Corroded Aluminum Elements
- Maximum Gain, Sharp Directivity

High-quality yagi antennas for color or black-and-white reception in fringe areas. Provide maximum gain, sharp directivity, flat response and high front-to-back ratio. Gold-corroded aluminum fights corrosion. Single-channel or broadband models for high or low channels. Shipped by truck or express.

YOUR CHOICE OF CHANNELS

GOLD CORRODIZED SINGLE-CHANNEL Y10 SERIES

For reception up to 125 miles. Ten elements. Av. shpg. wt., 4 1/4 lbs.

Stock No.	Model	Channel	EACH	Stock No.	Model	Channel	EACH
11 B 2236 UW	Y10-2	2	14.10	11 B 1384 UW	Y10-8	8	5.01
11 B 2237 UW	Y10-3	3	13.77	11 B 1387 UW	Y10-9	9	5.01
11 B 2238 UW	Y10-4	4	12.99	11 B 1388 UW	Y10-10	10	5.01
11 B 2240 UW	Y10-5	5	12.39	11 B 1389 UW	Y10-11	11	5.01
11 B 2241 UW	Y10-6	6	11.97	11 B 1390 UW	Y10-12	12	5.01
11 B 1380 UW	Y10-7	7	5.01	11 B 1393 UW	Y10-13	13	5.01

GOLD CORRODIZED YAGI BROADBAND ANTENNAS

Miles	Stock No.	Model	Channels	Boom	Elements	Lbs.	EACH
To 125	11 B 2559 UW	Y10-713	7-13	83"	10	4 1/2	6.45
To 125	11 B 1710 UW	L-16	2-6	118"	6	3	14.95

STACKING KITS

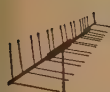
Stock No.	Type	Application	Lbs.	EACH
11 B 2086 W	GA	For stacking 2 same-chen. High Band (7-13) or 2 Y10-713 antennas	1	1.50
11 B 2075 W	GB	For stacking 2 same-chen. Low Band (2-6) antennas	1	1.56
11 B 1711 W	GC	For stacking 2 L-26 antennas	1	2.10

New Blonder-Tongue Dual-Impedance VHF Antennas

U-RANGER-11 UHF ADD-ON ANTENNA

\$537

NEW



- Snaps On Color Ranger Antennas
- Provides Good UHF Reception
- 11 Active UHF Elements—No Couplers
- Preassembled—Attaches in Seconds
- Improves VHF Reception Too

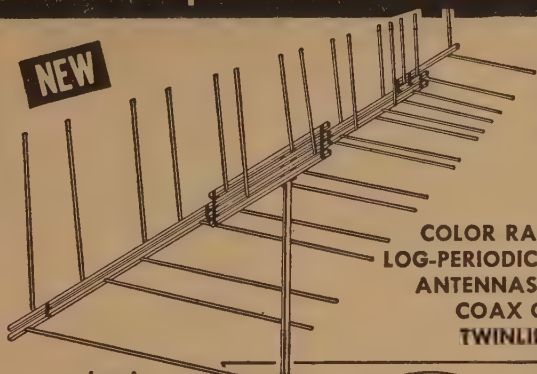
Just snap this UHF antenna into place over any Color Ranger VHF antenna listed at right, for superb reception of both color and black-and-white programs. This add-on unit acts as a VHF signal director to improve your VHF reception, as well as adding 70-channel UHF versatility.

The U-Ranger-11 features true log-periodic design, the same as the Color Ranger series, and has 11 active elements. It is designed for use in metropolitan or suburban areas, with strong to medium signals. Especially suited for areas where ghosts are a problem. Compatible with any Color Ranger model—just choose the combination best suited for your reception area.

Completely preassembled—attaches in seconds to the Color Ranger. Elements are double spot-welded for extra strength. Shpg. wt., 2 lbs.

11 B 1679 W.....**5.26**

NEW



DESIGNED FOR
COLOR
BLACK-AND-WHITE
CABLE TV

**COLOR RANGER
LOG-PERIODIC VHF/FM
ANTENNAS TAKE
COAX OR
TWINLINE**

Low As

\$1515

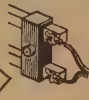
\$5 monthly

- Dual-Boom Design
- Very Flat Response
- Decreases Ghosts



For 75-Ohm
Coax Cable

COMPATIBLE
WITH EITHER
**75-OHM CABLE OR
300-OHM LINE**



For 300-Ohm
Twin-Lead

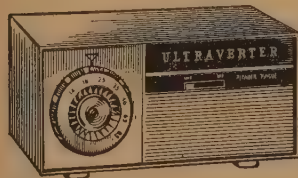
True log-periodic antennas offer flat response and constant gain over the entire VHF band. Give showroom-quality pictures, both color and black-and-white, plus superb FM/stereo-FM performance. High front-to-back ratio for excellent directivity, outstanding reception in weak signal areas. Dual $\frac{3}{4}$ "-square booms act as transmission line. You can add UHF with "snap-on" UHF antenna at left. No couplers and only one lead-in needed for VHF/FM and UHF. Compatible with 75-ohm coax cable and 300-ohm twin-lead. Double-sleeve reinforced elements swivel out and lock in place. With coax connector. Less mast.

Stock No.	Type	Elements	For Area Type	Lbs.	EACH
11 B 1675ZW	CR-15	15	Suburban and fringe	12	38.23
11 B 1676ZW	CR-10	10	City, suburban, near-fringe	9	25.95
11 B 1677UW	CR-7	7	City and suburban	7 1/4	19.35
11 B 1678UW	CR-5	5	City and suburban	6	15.15

IT'S EASY AND INEXPENSIVE TO ADD UHF WITH BLONDER-TONGUE CONVERTERS

New TV stations going on the air will be on UHF channels 14-83. You can easily equip your VHF set to tune these 70 channels. Just install a UHF antenna (often you

can use your present TV mast), and connect a UHF converter, using just a screwdriver. You'll be ready for a new world of TV programing. For color or black-and-white.



BATTERY-POWERED CONVERTER

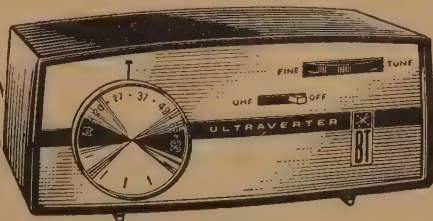
\$1320

- Solid-State Circuit
- Modern Cordless Power
- Tunes Like a Radio

BTD-44. Amazing low price. Adds all UHF channels to VHF set. Gives sharp undistorted pictures within 20-mile area. Reliable tunnel-diode operates instantly, produces virtually no heat. Uses one "D" battery (order below) that lasts months. Stripless terminals. Wire-loop UHF antenna, 300 ohms. $3 \times 6 \times 3 \frac{3}{4}$ ".
11 B 1324. Shpg. wt., 3 lbs.....**13.20**
18 B 5867. Batt., 14 oz.....**Pkg. 4/65¢**

ALL-TRANSISTOR UHF CONVERTERS

Choose Deluxe Model
with Booster for
Fringe Areas,
Low-Cost Model
for Urban Areas



LOW-COST CONVERTER

\$1985

- Good Local Reception
- Installs in Minutes
- Same Style as BTX-11A

BTX-99B. Economical converter adds 70-channel UHF tuning to your VHF TV set. One-transistor circuit gives sharp, clear picture and static-free sound from stations up to 20 miles away. Balanced 300-ohm input and output. Stripless screw terminals, wire-loop UHF antenna. $3 \times 6 \times 3 \frac{3}{4}$ ". U.L. Listed. For 110-120 V, 60-Hz AC, 3 lbs.
11 B 1395.....**19.85**

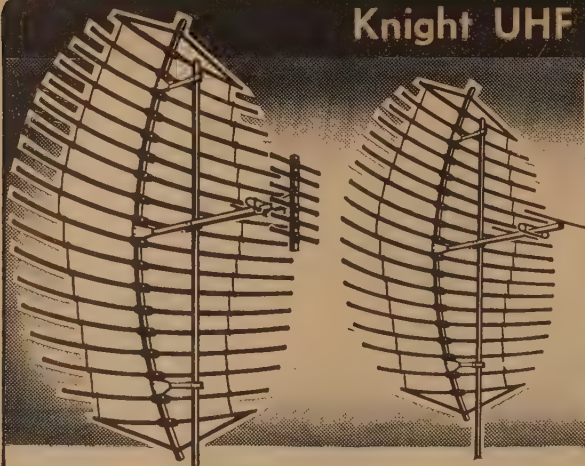
DELUXE BOOSTER/CONVERTER

\$2995

- Two Transistors
- For Fringe Reception
- Has Fine-Tuning Dial

BTX-11A. Lets you tune all UHF channels, with booster-amplifier for good pictures even in weak-signal areas. Circuit has high signal-to-noise ratio. Calibrated 2-speed vernier dial with 100:1 ratio. 300 ohms. Stripless screw terminals, pilot light, wire-loop antenna. $3 \times 6 \times 3 \frac{3}{4}$ ". U.L. Listed. For 110-120 V, 60-Hz AC, 3 lbs.
11 B 1394. \$5 Monthly.....**29.95**

Knight UHF TV Antennas



7-ft. Diameter—
Up to 130 Miles **\$2495**

5-ft. Diameter—
Up to 80 Miles **\$1495**

PARABOLIC-SCREEN UHF ANTENNAS

- Same Type of Configuration Used for Satellite Tracking
- Made of Gold-Corodized Aluminum
- Fast Snap-Out Installation

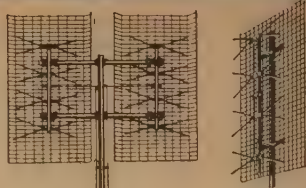
Seven-Ft.-Diameter Parabolic Antenna. Boasts the same type of configuration that is used in antennas designed for satellite tracking. Radar-type design makes this one of the most effective UHF antennas you can buy. Parabolic screen offers extremely sharp directivity for good reception of UHF channels 14 through 83 up to 130 miles away. Screen is curved to focus signals on special collector elements, offering maximum signal strength with excellent rejection of ghosts and other unwanted signals.

All-aluminum construction, with gold-corodized finish that helps fight corrosion. Features "umbrella" type snap-out design for fast, simplified installation. Gain ranges from 17 dB on channel 14 to 21 dB on channel 83. 300 ohms. Foam-type lead-in recommended. Less mast. Shipped truck or express. Shpg. wt., 13½ lbs.

11 B 1706 KW, \$5 Monthly. **24.95**

Five-Ft.-Diameter Parabolic Antenna. For channels 14 through 83. Features easy-to-assemble snap-out parabolic design, same as seven-ft. model above. Dish shape of antenna concentrates incoming signals for maximum strength, while providing a high rejection rate for unwanted signals. Allows you to focus your antenna with pin-point accuracy. Has all aluminum construction with corrosion-resistant gold-corodized finish. Effective range, up to 80 miles. Gain: 14 dB to 18.6 dB. 300 ohms. Foam-type lead-in recommended. Less mast. Shpg. wt., 6½ lbs.

11 B 1015 W. **14.95**



8-Bay
\$995

4-Bay
\$395

8-BAY UHF BOW-TIE ANTENNA

- "Fidelity-Phased" for High Gain
- Preassembled Aluminum Construction
- Rugged Double Cross-Member

Eight-bay UHF bow-tie antenna has "fidelity-phased" colinear design with synchronized elements for sharp directivity and high gain on channels 14-83. Reception up to 75 miles. For color or black-and-white. Consists of two 4-bay units with solid-aluminum-rod harness. Double cross member. All hardware is made of rustproof aluminum. Mast bracket fits any size mast. 300 ohms. Foam-type lead-in recommended. Less mast. Shipped truck or express. 12 lbs.

11 B 1709 UW. **9.95**

4-BAY UHF BOW-TIE ANTENNA

Provides excellent color and black-and-white reception of channels 14-83. Range, up to 55 miles. Rugged aluminum construction. 300 ohms. Foam-type lead-in recommended. Less mast. 5 lbs.

11 B 1064 W. **3.95**

UHF CORNER-REFLECTOR ANTENNA



\$395

- Up to 45 Miles
- Gold-Corodized
- High Directivity

Large screen for extra-sharp directivity and high gain. Reduces ghosts, snow and other annoying interference. All-aluminum construction. 300 ohms. Less mast. Foam-type lead-in recommended. 5 lbs.

11 B 1070 W. **3.95**

FINCO

UHF "FLYING ARROW" BROADBAND YAGI-TYPE ANTENNAS



\$897
Each

- UHF Reception Up to 70 Miles
- 16-Element Corner Reflector
- 15 Directors for High Gain

Your choice of channel ranges gives you UHF reception superior to the pull-in power of "all-channel" type antennas. All-aluminum construction. Sturdy, one-piece boom. Comes preassembled. 300 ohms. Foam-type lead-in recommended. Less mast. Shipped truck or express. Shpg. wt., 2½ lbs.

11 B 1386 ZW, Model FA-1430 for Channels 14-30. **8.97**

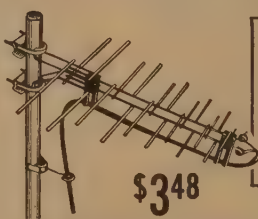
11 B 1376 ZW, Model FA-1445 for Channels 14-45. **8.97**

11 B 1377 ZW, Model FA-4570 for Channels 45-70. **8.97**

11 B 1379 ZW, Model FA-7083 for Channels 70-83. **8.97**

Stacking Kit. For stacking any two "Flying Arrows."

11 B 1723 W, Shpg. wt., 1 lb. **2.61**



\$348

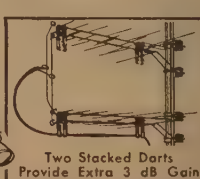
BLONDER-TONGUE UHF ANTENNA

GOLDEN DART. Delivers uniform peak performance on all UHF channels 14-83. Uses periodic principal of antenna design. Elements arranged to provide a narrow forward beam for sharpest directivity, minimizing ghosts, snow and other interference. Eleven elements deliver uniform 10 dB gain. Welded steel construction with gold-iridite finish. With two U-bolts for mounting. 300 ohms. Foam-type lead-in recommended. Less mast. Shpg. wt., 2 lbs.

11 B 1494 W. **3.48**

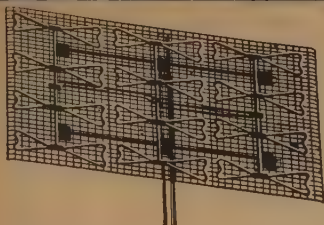
Stacking Harness, Stack 2 Dart ant. for extra 3 dB gain.

11 B 1497 W, Shpg. wt., 1 lb. **93¢**



Two Stacked Darts
Provide Extra 3 dB Gain

JFD UHF Antennas



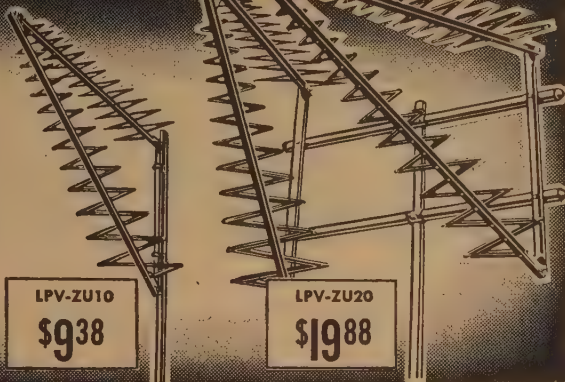
12-BAY BOW-TIE ANTENNA FOR DEEP-FRinge AREAS

\$2214 \$5 monthly

- Pulls In Stations Up to 125 Miles Away
- Gain Averages 15 dB for Entire UHF Band
- Offers Excellent Signal-To-Noise Ratio

MODEL UHF 212. Provides 12 bow-ties for deep fringe area black-and-white or color UHF broadcasts. Range of up to 125 miles. Super-sensitive "cardioid" dipole design provides extremely high gain, averaging 15 dB, over all channels, 14 through 83. Screen is engineered for efficient shielding of conical sections—wire grid offers excellent signal-to-noise ratios and noise rejection. Provides exceptionally sharp directivity, which greatly reduces "ghosts" and other interference. Preassembled for simple installation—folds open in just seconds. 300 ohms. Foam-type lead-in recommended. Less mast. Shipped truck or express. Shpg. wt., 15 lbs.

11 B 2551 ZW, \$5 Monthly..... **.22.14**



LPV-ZU10

\$938

LPV-ZU20

\$1988

LOG-PERIODIC "ZIG-A-LOG" UHF ANTENNAS

- Designed on Log-Periodic Principles for Best Performance
- Offers Sharp Directivity • Provides Up To 17 dB Gain

MODEL LPV-ZU20. Two-bay "Zig-A-Log" is excellent for color or black-and-white UHF. Range of up to 125 miles. Features advanced log-periodic design. Two vertically-angled narrow-width conductors are scaled according to log-periodic formula. Frequency-independent horizontal and vertical beam patterns for good directivity and 16-17 decibel gain. High front-to-back ratio minimizes ghosts. Gold-anodized to fight corrosion. Cross-arm, 45°. 300 ohms. Foam-type lead-in recommended. Less mast. Shpg. wt., 6 lbs.

11 B 1179 KW..... **.19.88**

MODEL LPV-ZU10. Log-periodic single-bay antenna for high-contrast color or black-and-white UHF reception up to 75 miles. Has 13.5-14 dB gain. Gold-anodized aluminum. Preassembled. 300 ohms. Foam-type lead-in recommended. Shpg. wt., 4 lbs.

11 B 1180 KW..... **.9.38**

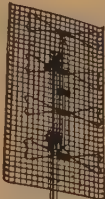
4-BAY BOW-TIE FOR LOCAL UHF

\$510

- Has 50-Mile Range
- 8 dB Signal Gain
- Preassembled

MODEL UHF 202. Four-bow stack with large screen reflector providing 8 dB gain for good pictures within a 50-mile range. Individual channels peaked. 300 ohms. Foam-type lead-in recommended. Less mast. Preassembled. Shpg. wt., 6 lbs.

11 B 2151 W..... **.5.10**



8-BAY BOW-TIE FOR FRINGE AREA

- Range Up to 100 Miles
- Provides 12 dB Gain

\$1314

MODEL UHF 208. Eight-bow stack gives outstanding UHF reception up to a 100 mile range. Galvanized steel wire reflector, with solid aluminum bows, provides 12 dB gain and helps cut interference. Preassembled. 300 ohms. Foam-type lead-in recommended. Less mast. Shipped truck or express. Shpg. wt., 8 lbs.

11 B 2550 ZW..... **.13.14**



ADD UHF TO YOUR VHF TV SET WITH A JFD CONVERTER

SLIDE-RULE TUNING CONVERTER/BOOSTER

- Adds UHF Channels 14 Through 83 to Your 12-Channel VHF TV Set
- Two-Transistor Circuit Boosts Reception in Fringe Areas
- Quickly Hooks Up to the Antenna Terminals of VHF TV Set

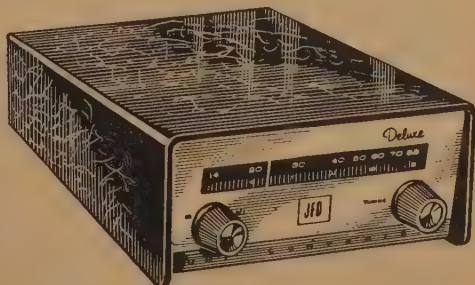
MODEL CR-21. All you need is a screwdriver to make three external connections, and you've converted your TV set to receive more channels. In addition, the unit boosts the UHF signal an extra 10 dB for good fringe-area reception. Two-transistor, one-diode solid-state circuit provides instant starting and excellent, drift-free reception. Features automatic antenna switching (both VHF and UHF antennas connect to unit), illuminated slide-rule dial, and pilot light. Impedance, 300 ohms. Attractive modern low-silhouette-styled walnut plastic cabinet with gold-colored front panel. Size, 6x7x2 1/2". Unit comes complete with UHF wire loop antenna. From Italy. For 110-120 volts, 60 Hz AC. Shpg. wt., 3 3/4 lbs.

1 B 1216, \$5 Monthly..... **.27.95**

CRJ-J UHF-TV CONVERTER

Similar to above, but does not boost signal. Connects to your TV set with a standard antenna. Reliable, long-life one-transistor circuit. Illuminated slide-rule dial and pilot light. Impedance, 300 ohms. Charcoal-gray plastic case, silver front panel. With wire-loop UHF antenna. For 110-120 V, 60 Hz AC. Shpg. wt., 3 3/4 lbs.

1 B 1519, \$5 Monthly..... **.19.95**



Converter/Booster

\$2795

\$5 monthly

Converter

\$1995

\$5 monthly

Any Order Over \$10 Can Be Added-On to Your Allied Credit Fund

ALLIED 381

Improve Your FM with an Outdoor Antenna

FINCO COAXIAL AND 300-OHM STEREO-FM ANTENNAS

\$1494

\$2181

**Complete
Outfit
\$795**

STEREO-FM DIRECTIONAL FM-4G

Receive FM stations from up to 125 miles away with this gold-corodized 6-element antenna. Twin-driven double-wall aluminum elements, with impedance control "T" match stubs, offer high gain across full 88-108 MHz band. "Geomatic" design for high front-to-back ratio—you get stronger signals, and sharper directivity.

Strong, square aluminum boom is 7-ft., 9-in. long. "Lock-Tite-No Tilt" mounting and "box girder" snap-out brackets are ready for quick installation. Requires mast and 300-ohm lead. Shpg. wt., 6½ lbs.

11 B 2503 ZW, Truck or express. .14.94

11 B 1653 ZW, Model CX-FM-4G. As above, but 75 ohms. Shpg. wt., 7 lbs.19.91

STEREO-FM DIRECTIONAL FM-5

Superb 10-element antenna for peak FM reception up to 175 miles from the station. "Geomatic" design—twin-driven elements and precisely-spaced directors for highest gain. Gold-corodized finish is weather resistant. Rigid 10-ft. long square boom has suspension-type bracing.

All elements are sleeve-reinforced; lock into open position in "snap-lock" brackets. Self-aligning brackets and double-wall aluminum elements are preassembled for easy installation. Requires mast and 300-ohm twin lead. 8½ lbs. Truck or express.

11 B 1329 ZW, \$5 Monthly.21.81

11 B 1654 ZW, Model CX-FM-5. As above, but 75 ohms. Shpg. wt., 9 lbs.26.77

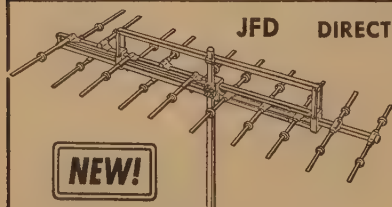
ALL-DIRECTIONAL FMT-A ANTENNA

Preassembled "turnstile" antenna does not require rotation or aiming to receive stations from all directions. Can be mounted on your present TV mast. Two elements accurately matched with special quarter-wave phasing stub for optimum gain and all-directional pick-up pattern. Provides strong reception over entire 88-108 MHz FM band.

Gold corodized for complete weather protection. Kit includes: FM Antenna, 50 feet of 300-ohm Lead-In, Mast Stand-Off Insulator, 3 Screw-In Insulators, Bracket for mounting to your present TV mast. Shpg. wt., 3¼ lbs.

11 B 1330 W.7.95

JFD DIRECTIONAL STEREO-FM LOG-PERIODIC ANTENNAS



NEW!

**Low As
\$1257**

- High Gain Across FM Band
- Full-Wave Dipoles for Good Horizontal Directivity
- High Front-to-Back Ratio
- Wideband Response

Helps pull in strong signals that are important for best stereo-FM channel separation and fade-free performance. Get clear, full-strength reception of more stations, thanks to wideband response and uniform high gain across the FM broadcast band. Up to 41½ higher gain than yagis with comparable number of elements. Full-wave L-dipoles have higher front-to-back ratio for horizontal beam 10° to 25° narrower than yagis, for extra-sharp directivity. Eliminate or reduce "ghost" signals to bring you undistorted stereo reception. Have boom supports for rigidity even in 100-mph winds (not required on Model LPL-FM-4A). Gold alodized aluminum resists corrosion. Reinforced elements. 300 ohms impedance. Less lead-in. Shipped by truck or exp.

Stock No.	Model	Elements	Range Up To	Wt., Lbs.	EACH
11 B 1186 ZW	LPL-FM-10A	10	175 miles	10	31.47
11 B 1192 ZW	LPL-FM-8A	8	150 miles	8	25.52
11 B 1188 ZW	LPL-FM-6A	6	125 miles	6	18.87
11 B 1145 UW	LPL-FM-4A	4	75 miles	5	12.57

ACCESSORIES FOR SUPERIOR STEREO AND MONAURAL FM PERFORMANCE

FINCO QUALITY FM ACCESSORIES



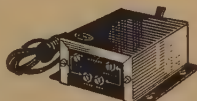
JFD 2-SET FM BOOSTER

\$1887

- Up to 16-db Gain
- Solid-State Circuit
- Mast-Mounting

MODEL FT-1. Boosts signal for pulling in weak FM stations, improves stereo-FM performance. Signal splitter lets you connect two FM receivers to one antenna. Sharp 88-108 MHz cut-off rejects interference. Sealed amplifier mounts on mast or antenna crossarm. No-strip terminals. Amplifier, 6¼x2½x1¼"; power supply mounts inside, 4½x2½x1". U.L. Listed. For 110-120 V., 60 Hz AC. 1½ lbs.

11 B 1055.18.87



NEW

**INDOOR FM
SIGNAL
AMPLIFIER**

\$1664

- Behind-the-Set Mounting
- Nominal Gain of 20 db
- Passive Filter Input

MODEL 65-7. High-gain, low-noise transistorized amplifier has a passive filter input circuit that rejects interfering signals outside the FM band. Improves reception of weak FM signals in deep or medium fringe areas, even where strong local signals are present. Also eliminates common overload characteristics. Isolation transformer eliminates shock hazard. 300-ohm input with output for one or two FM receivers. Easily mounted on set or baseboard. Compact unit, 1¾x4x4½". Shpg. wt., 1½ lbs.

11 B 1225.16.64

FILTER CUTS FM INTERFERENCE



MODEL 3007. Blocks all signals except 88-108 MHz FM band. Eliminates or reduces TV, CB, Ham and other interference to FM signals. Easily mounted at antenna terminals or receiver. Universal mount, standoff, 1½x4¼x2". Wt., 5 oz.

11 B 1167.14.17

TV-FM ANTENNA SPLITTER



MODEL 3005. For TV-FM reception from one broadband antenna. Triple-tuned bandpass filter separates signals—sends FM to radio, TV signal to TV set. Loss of only 1 db. Easy to install, with universal mount and standoff, 4¼x1¾x1¾". Wt., 4 oz.

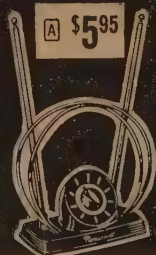
11 B 1665.3.90

Rembrandt TV/FM Antennas



**"STEREO KING"
FM
ANTENNA**
\$6.95

MODEL 1000. Indoor antenna pulls in more FM stations, improves signal quality on present stations. Ideal for stereo-FM. Four-section dipoles with induction coil and 12-position element selector for best possible reception. Includes noise filter for clear, pleasant FM listening. Walnut finished base. Wt., 2½ lb. 11 B 1385.....6.95



A \$5.95



B \$9.95

A "CLASSIC" UHF/VHF ANTENNA

Concentric rings and long telescoping arms for TV channels 2-83. 12-position switch for best reception. For color or black-and-white. Walnut. UHF, VHF leads. 11 B 1574W. Shpg. wt., 2¼ lbs.....5.95

B "DELUXE" UHF/VHF ANTENNA

Right-angle loop with extra-long telescoping arms pull in TV channels 2-83. Dual-control 12-position switch tunes out snow. Walnut. UHF and VHF leads. 11 B 1371W. Shpg. wt., 3 lbs.....9.95



C "Color King" \$12.95

C "COLOR KING" UHF/VHF

- Special Color Phasing Loops
- Color Filter Control
- 12-Position Switch

Deluxe indoor TV antenna provides clearer, sharper pictures on all VHF and UHF channels in your area, in color and black-and-white.

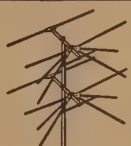
Combined action of special color phasing loops and color filter control help remove picture impurities for consistent true-to-life color without distortion.

Twelve-position picture correction control with silver-plated contacts helps clear up ghosts and snow, even in the most difficult reception areas.

Separate low-loss UHF and VHF leads with matched impedance. Walnut finished base. Shpg. wt., 3½ lbs. 11 B 1722 W.....12.95

KNIGHT 2-BAY VHF ANTENNA KIT WITH MAST

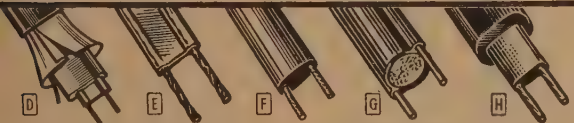
Low As \$6.49



Color or black-and-white. Range up to 30 miles. Aluminum. Includes 2-bay antenna, 10' mast, chimney mount, 5 screw-in and 2 mast stand-offs, lightning arrester, 50' twin-lead. 11½ lbs. 11 B 1000 W.....6.95

11 B 1021 W. Same as antenna at left, but with universal-angle roof mount. Wt., 10 lbs.....6.49
SINGLE-BAY CONICAL ANTENNA ALONE. 2¼ lbs. 11 B 1047 W.....2.19

KNIGHT AND BELDEN TV-FM TWIN LINE AND FOAM-TYPE TV CABLE



300-OHM TWIN LINE

300-OHM LINE (Cont'd)

TYPE 8290. Shielded ultra-low-loss lead-in ideal for color. Mylar shielding cuts interference from ignition, electrical gear. May be run through or next to metal. Extra-durable, lasts for years. 3 lbs. per 100'.
11 B 1603. 50' Coil.....5.68
11 B 1605. 100' Coil.....9.70
11 B 1655 W. 500' Coil.....46.31

TYPE 8225. For TV and FM antennas. 7x28 stranded copper conductors. Flat polyethylene jacket. 58-ill web thickness. For outdoor use. 1½ lb. per 100 ft., 1½ lbs.
11 B 1441. 50' Coil.....1.15
11 B 1443. 100' Coil.....1.87
11 B 1531 W. 250' Coil.....4.65

TYPE 8226. As above, but in clear low-loss polyethylene jacket. For outdoor use.
11 B 1226. 50' Coil.....1.15
11 B 1229. 100' Coil.....1.87

TYPE 8230. Weldohm design for increased strength and conductivity. 28 stranded, copper-coated steel wire. Much twice as strong as plain copper. Perfect for long lead-ins. 70-mil web. 1½ lbs. per 100'.
11 B 1445. 50' Coil.....1.26
11 B 1447. 100' Coil.....2.12
11 B 1533 W. 250' Coil.....5.24

F TYPE 8235. 300-ohm oval twin line. Low-loss type for both UHF and VHF use. Copper-coated, 7x26 steel wire conductors. 185-mil web thickness. Resists extreme weather conditions. Jacket of 100% polyethylene. Supplied in 100-ft. coils only. Shpg. wt. per 100 ft., 4¼ lbs.
11 B 1451. 100' Coil.....4.85

G TYPE 8275. UHF-VHF type. High-quality, low-loss lead-in for all TV and FM installations. Ideal for color TV. Cellular polyethylene core is filled with inert gas. Polyethylene jacket. 7x28 copper-coated steel conductors. 3½ lbs. per 100 ft.
11 B 1448. 50' Coil.....2.58
11 B 1450. 100' Coil.....4.61
11 B 1536 W. 250' Coil.....10.53

H TYPE 8285. Low-loss 300-ohm UHF-VHF. Recommended for color TV. Provides unchanging electrical and physical characteristics. Durable, for any application. 22-gauge (7x30) copper-weld conductors. Polyethylene insulation and webbing. Cellular polyethylene jacket. Outside diameter, ¼x1½. Shpg. wt., 3½ lbs. per 100 ft.
11 B 1452. 50' Coil.....2.79
11 B 1454. 100' Coil.....4.80
11 B 1539 W. 250' Coil.....11.42

KNIGHT



300-OHM COLOR UHF-VHF MYLAR SHIELDED CABLE. Excellent for color. Lowest line-loss for sharp, clear pictures. No. 20 stranded. 7 lbs. per 100 ft.
11 B 1189. 50' Coil.....4.49
11 B 1200 W. 100' Coil.....8.59
11 B 1201 W. 250' Coil.....21.99



J UHF-VHF 300-OHM FOAM-TUBULAR TWIN LINE. Ideal for color. Flat all-channel line; easy to handle; moisture resistant; copper stranded conductors; black polyethylene. 2¼ lbs. per 100 ft.
11 B 1656. 50' Coil.....1.79
11 B 1657. 100' Coil.....3.49
11 B 1658 W. 250' Coil.....8.75

K TYPE RG-59/U TV CABLE. 75-ohm. With PL-259 connector on each end.
11 B 1659. 50' Coil.....4.95
11 B 1660 W. 100' Coil.....7.95
11 B 1661 W. 250' Coil.....16.95

L UHF-VHF 300-OHM OPEN LINE. Loss, 0.5 db per 100 ft. at 200 MHz. Wt., 100 ft., 2¼ lbs. 250 ft., 3½ lbs. Minimum, 100 ft. coil.
11 B 1473. 100' Coil.....3.29
11 B 1474 W. 250' Coil.....7.89

M OPEN LINE STAND-OFF INSULATORS. Slotted for 300, 450, or 600-ohm lines. 5¼" nail type. 5 oz. Pkg. of 5.
11 B 1141.....Per Pkg. 79c

Increase Your TV Picture-Power

JFD OUTDOOR AND INDOOR TELEVISION AMPLIFIERS

INDOOR AMPLIFIERS



Low As
\$22.50

- Boosts Signal Strength
- High Signal/Noise Ratio
- Solid-State • Low-Noise

\$5 monthly

HVU-3, 3-Transistor VHF-UHF-FM Amplifier, 13 dB gain on VHF, 10 dB on UHF, 10 dB on FM—more than triples signal. For all-channel antenna, or separate antennas combined into one downlead. Signal splitter, 3 transistors. $6\frac{1}{2} \times 3\frac{1}{2} \times 2"$. For 110-120 volts, 60 Hz AC. Shpg. wt., 2 lbs.

11 B 1105, \$5 Monthly.....28.17

HV-2, VHF Amplifier. As above, but for VHF only. Boosts signal 5 times. For up to 4 TV sets, 2 transistors. Shpg. wt., 2 lbs.

11 B 1106, \$5 Monthly.....22.50

HU-2, UHF Amplifier. As above, but for UHF channels 14-83 only. For up to 2 TV sets, 2 transistors. Shpg. wt., 2 lbs.

11 B 1611, \$5 Monthly.....25.50

SOLID-STATE ANTENNA MOUNTING AMPLIFIERS

VHF FM **\$29.97**

\$5 monthly



Weather-sealed amplifier mounts on antenna



Power supply mounts behind set

VHF **\$23.59**

\$5 monthly

UHF **\$23.59**

\$5 monthly

VUT-3, 3-Transistor VHF-UHF-FM Amplifier. Boosts gain 15 dB on VHF, 8 dB on UHF, 15 dB on FM. For antennas with one downlead; has UHF-VHF-FM signal splitter. Protected against lightning and power surges. Amplifier, $6\frac{1}{2} \times 2\frac{1}{2} \times 2\frac{1}{2}"$, mounts on antenna crossarm or mast. Power supply, $3 \times 4\frac{3}{4} \times 1\frac{1}{2}"$, mounts behind TV set. For 110-120 V, 60 Hz AC. U.L. Listed. Shpg. wt., $1\frac{1}{2}$ lbs.

11 B 1096, \$5 Monthly.....29.97

VT-2, 2-Transistor VHF Amplifier. Similar to VUT-3, but VHF-TV only, for 2 sets. Up to 16 dB gain. For color, b/w. For 110-120 V, 60 cycle AC. Wt., $1\frac{1}{2}$ lbs.

11 B 1195, \$5 Monthly.....23.59

UHT-2, 2-Transistor UHF Amplifier. For single set use on channels 14-83, 9 db gain across UHF band. High S/N. For 110-120 V, 60 Hz AC. Wt., $1\frac{1}{2}$ lbs.

11 B 1500, \$5 Monthly.....23.59

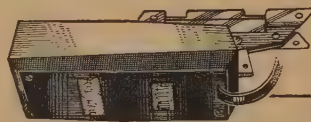
JERROLD TELEVISION AMPLIFIERS AND ACCESSORIES

COLORAXIAL TV SYSTEM AMPLIFIERS

Low As
\$22.95

\$5 monthly

- Up To 4 Sets on One Antenna
- Mount Indoors
- For Color, Black-and-White

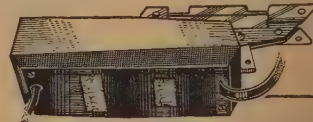


\$65.50

\$5 monthly



TV-Set-Mounting Power Supply



Low As
\$29.95

\$5 monthly



Set-Mount Power Supply

VHF "DE-SNOWER" 5-TRANSISTOR AMPLIFIER

MODEL SPC-132A. Super-powerful amplifier for extreme fringe areas or wherever high driver gain is needed. Ideal for master-antenna TV systems in homes, apartments and motels. Mast-mounted, two-transistor preamplifier gives super high gain, 29 dB average in high TV band.

Input, 300 ohms, 75-ohm coaxial cable output, for down-lead. Signal is further strengthened by a three-transistor circuit in set-mounted power supply; back-matched to prevent ghosting or smearing due to mismatch.

Preamplifier is in non-corrosive Cyclocal® case, $2\frac{1}{4} \times 6\frac{1}{4} \times 3\frac{3}{8}"$; power supply is $4\frac{3}{4} \times 4\frac{3}{4} \times 1\frac{1}{4}"$. Ideal for both color and black-and-white TV sets. With three F-59A connectors and mounting hardware. Less down-lead. For 110-120 V, 60 Hz AC. 3 lbs.

11 B 1435, \$5 Monthly.....65.50

SUPER POWERMATE 2-TRANSISTOR ANTENNA AMPLIFIERS

SPM-106, 300 Ohms. VHF-TV preamp with excellent gain and overload characteristics. Strengthens distant signals without interference from strong local stations. Up to 15.6 dB gain. Excellent noise figure and flat response. Preamp mounts on antenna boom for maximum gain. Remote power supply has 2 outputs, mounts behind set. Preamp, $2\frac{1}{4} \times 6\frac{1}{4} \times 3\frac{3}{8}"$; power supply, $4\frac{3}{4} \times 4\frac{3}{4} \times 1\frac{1}{4}"$. For 110-120 V, 60 Hz AC. Shpg. wt., 2 lbs.

11 B 1416, \$5 Monthly.....29.95

SPC-107, 75 Ohms. As above, with 75-ohm output. Ideal for color reception. High gain 11 to 15 dB, 2 lbs.

11 B 1502, \$5 Monthly.....31.97

UPM-104, 300 Ohms. As above, but for UHF reception. Average gain, 13.7 dB, 2 lbs.

11 B 1318, \$5 Monthly.....33.50

75-OHM MATCHING-TRANSFORMER KIT

CAT-2. Converts TV and FM antenna installations for 75-ohm coaxial cable. Consists of mast-mount transformer with mtg. bracket and strap that matches 300-ohm antenna, plus set-mount transformer. 2 lbs.

11 B 1258.....4.92

11 B 1740, T-379. UHF/VHF 75/300-ohm matching transformer.....2.37



NEW

75-OHM TWO-WAY SPLITTER

MODEL SCX-2. Two-way resistive antenna splitter. For use on all 82-television channels, both VHF and UHF. Recommended for use in strong signal areas. Ideal for both indoor and outdoor applications. Has single 75-ohm input and two 75-ohm VHF/UHF outputs. Wt., 4 lbs.

11 B 1741.....3.98

75-OHM CONNECTOR

F-59A. Male 75-ohm RG-59/U connector for use with all 75-ohm Jerrold equipment. Shpg. wt., 1 oz.

11 B 1742.....Each 36¢



Blonder-Tongue Antenna Amplifiers

MAST-MOUNTING AMPLIFIERS

NEW! "COLORAMP U/V" UHF-VHF AMPLIFIER

\$29.98

\$5 monthly

- 2-Transistor Circuit
- Weatherproof Housing
- Low Power Drain

Amplifies all 82 TV channels, for clearer, sharper pictures. Amplifier mounts on mast for best signal-to-noise ratio. For single set. Single all-channel input for use with all-channel antenna. High-stability silicon transistors for brilliant color and black-and-white. Indoor remote power supply has separate 300-ohm UHF/VHF outputs. Filter prevents FM overload. Amplifier, $2\frac{7}{8} \times 4 \times 1\frac{1}{8}$; power supply, $2\frac{7}{8} \times 4 \times 1\frac{1}{8}$. For 110-120 V, 60 Hz AC. 1 lb. 1 lb.

I I B 1733, \$5 Monthly, 29.98
U/VAMP-2. As above, but separate UHF and VHF inputs, outputs.
I I B 1343, \$5 Monthly, 35.25



Mast-Mount Amplifier
with Indoor Remote
Power Supply

VAMP-II SOLID-STATE VHF AMPLIFIERS

\$24.62

\$5 monthly

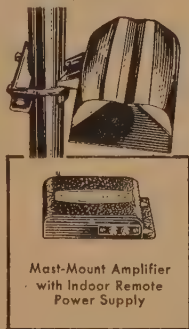
- High-Gain Circuit
- Silicon Transistors
- 300 or 75 Ohms

VAMP-II 300 OHMS. Powerful two-transistor circuit gives sharp color and black-and-white pictures. Pulls in weaker channels without overloading from strong local TV or FM stations. Provides 17 dB gain. Can be used with one or two TV sets. Uses little power. Amplifier mounts on mast, power supply indoors. Amplifier, $2\frac{7}{8} \times 4 \times 1\frac{1}{8}$; power supply, $2\frac{7}{8} \times 4 \times 1\frac{1}{8}$. 115 VAC, 1 lb. 1 lb. 1 lb.

I I B 1344, \$5 Monthly, 24.62

VAMP-II 75-75 OHMS. Same as VAMP-II, but for 75-ohm coaxial, low interference downlead. Requires matching transformer for use at 300-ohm TV set. Handles 8 TV sets.

I I B 1345, Wt., 1 lb. 1 lb. 27.65



Mast-Mount Amplifier
with Indoor Remote
Power Supply

ABLE-U-2 SOLID-STATE UHF AMPLIFIER

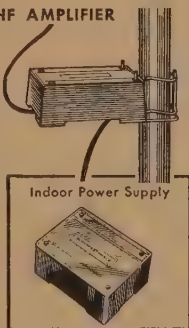
\$29.65

\$5 monthly

- 2 Silicon Transistors
- Triples Signal Strength
- Uses Very Little Power

Provides the power needed to bring in weak channels, yet does not overload strong channels. Average gain of 10 dB triples signal strength. Offers maximum signal-to-noise ratio for clear, strong pictures. Two ultra-stable silicon transistors for uniform high gain across entire UHF band. "Jiffy Mount" snaps onto antenna mast—amplifier slips over prongs for fast, secure installation. Remote power supply plugs into AC outlet. 300-ohm balanced input and output. Amplifier and power supply each $1\frac{1}{2} \times 2\frac{7}{8} \times 4$. For 110-120 volts, 60 Hz AC. Shpg. wt., 1 lb. 1 lb.

I I B 1508, \$5 Monthly, 29.65



Indoor Power Supply

AB-3 HIGH-GAIN VHF-TV AND FM AMPLIFIER

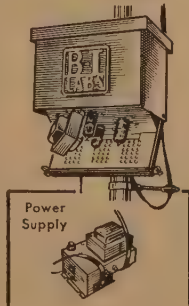
\$9.15

\$5 monthly

- For Far-Fringe Areas
- 25-dB Signal Gain
- 300 or 75 Ohms

Provides 25 dB gain on VHF-TV channels 2-13 and FM broadcast band. Increases signal voltage at least 18 times. Excellent for color reception. May be mast-mounted a mile away from set and AC power source (with open lead-in)—amplifies signal with no increase in line noise from lead-in. Needs no separate power line. Operation is automatic—amplifier turns on and off at RP-3 remote power supply. 300-ohm balanced input; 300 and 75-ohm outputs. Broad-band circuit for high S/N ratio. Amplifier, $7\frac{3}{4} \times 5\frac{1}{8} \times 5\frac{1}{4}$; supply, $6\frac{1}{4} \times 3\frac{3}{4} \times 4\frac{1}{4}$. 115 V, 60 Hz AC. Wt., 7 lbs.

I I B 1159, \$5 Monthly, 91.15



Power
Supply

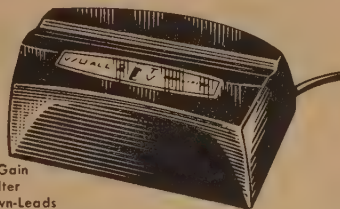
INDOOR DISTRIBUTION AMPLIFIERS

INDOOR TWO-SET VHF-UHF AMPLIFIER

\$26.85

\$5 monthly

- Uniform High Gain
- Efficient FM Filter
- For Single Down-Leads



V-U-ALL-2. Provides high gain for bright color and sharp, steady black-and-white pictures without snow or interference. Can be used with a single receiver, or two receivers. For use with all-channel sets or VHF sets with UHF converters.

Obsolescence-proof—covers all TV channels 2 through 83—present as well as future channels. Circuit uses two high-stability silicon transistors for the utmost reliability and cool operation. Draws so little power that the unit need never be turned off. Built-in FM filter prevents overload.

Designed for use with single down-lead antennas. Input accepts combined UHF/VHF signals of 300-ohm impedance. Output is two combined signals at 300 ohms. Easily installed, for indoor mounting. Compact size, $2\frac{7}{8} \times 4 \times 1\frac{1}{8}$. For 110-120 volts, 60 Hz AC. Shpg. wt., 1 lb.

I I B 1342, \$5 Monthly, 26.85

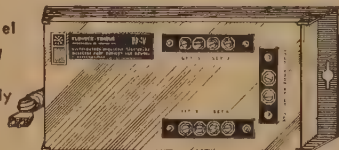
NEW

4-SET DISTRIBUTION AMPLIFIER

All-Channel

\$37.17

\$5 monthly



MODEL DA4-U/V. Use up to four sets with a single antenna, both UHF and VHF plus FM. Reliable solid-state circuit gives maximum signal-to-noise ratio for snow-free pictures, both color and black-and-white. Will not overload in strong signal areas, up to 0.2 volt. Flat response, high gain, excellent output isolation. Has 3 silicon transistors. Self-contained power supply. Single 300-ohm input, 4 combined UHF/VHF outputs. For TV channels 2 to 83 plus FM. Stripless screw terminals. $8\frac{1}{4} \times 3\frac{3}{4} \times 1\frac{1}{8}$. For 110-120 volts, 60 Hz AC. 2 lbs.

I I B 1734, \$5 Monthly, 37.17

VHF/FM 4-SET DISTRIBUTION AMPLIFIER

MODEL DA4-V. Same as DA4-U/V, but with 2 transistors for VHF television channels 2-13 and FM band only. 300-ohm, $8\frac{1}{4} \times 3\frac{3}{4} \times 1\frac{1}{8}$. For 110-120 volts, 60 Hz AC. Shpg. wt., 2 lbs.

I I B 1735, \$5 Monthly, 23.70

NEW

COAXIAL DISTRIBUTION AMPLIFIER

\$16.50

- Four 75-Ohm Outputs
- Channels 2-13 and FM



Coaxial Splitter
for Up To 4 Sets—
Ideal for MATV

HVB-3P. Solid-state amplifier supplies signal for up to 4 sets from single 75-ohm coax downlead. Insures top-quality reception in any area. Powerful low-noise silicon transistor circuit gives snow-free pictures, provides 5 dB typical gain at each output. High output isolation (14 dB typical). For channels 2-13 plus FM band. 75-ohm input and outputs. With five solderless connectors for coax cable. Mounts anywhere indoors. $4\frac{1}{4} \times 1\frac{1}{8} \times 1\frac{1}{4}$. For 115 volts, 60 Hz AC. Shpg. wt., $\frac{3}{4}$ lb.

I I B 1736, 16.50

300-OHM 4-SET DISTRIBUTION AMPLIFIER

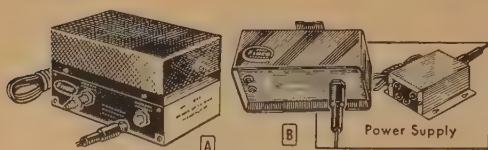
P54-300. Four-output amplifier for channels 2-13 and FM. Powerful, low-noise silicon transistor. High output isolation. 300-ohm balanced input and outputs. Stripless screw terminals. $3\frac{3}{4} \times 4 \times 1\frac{1}{8}$. For 115 V, 60 Hz AC. Wt., 1 lb.

I I B 1737, 11.97

Antenna Amplifiers, Installation Accessories

FINCO

NEW VHF-TV, FM ANTENNA AMPLIFIERS

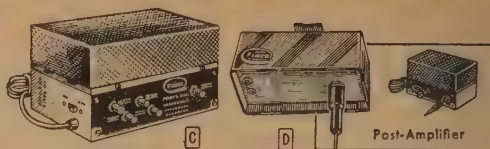


A INDOOR 4-SET TV-FM AMPLIFIER-COUPLER

MODEL 65-2, 75 ohms, 4 outputs, +6 dB each. Feeds up to 8 sets with line taps or splitters; or use as amplified line splitter and extender in systems up to 16 lines. 6¼x3½x3½", 117 V, 60 Hz AC. 11 B 1514, Shpg. wt., 2¼ lbs. 23.95
11 B 1516, Model 65-1 Amplifier-Coupler. Similar to above, but for 300 ohms. Very low noise figure. Wt., 2¼ lbs. 17.98

B TRANSISTORIZED REMOTE TV-AMPLIFIERS

MODEL 65-4, 300-ohm input from mast-mounted 2-transistor amplifier; 75-ohm downlead to indoor power supply; two 300-ohm outputs. Amp. 2x2¼x4¼", pwr. sup., 1¼x4x4½", 117 V, 60 Hz AC. 11 B 1650, Shpg. wt., 2¼ lbs. 31.95
11 B 1651, Model 65-3. Above, 300-ohm downlead. 2¼ lbs. 29.95



C HIGH-GAIN TV DISTRIBUTION AMPLIFIER

MODEL 65-5, High-gain (to 17 dB), low-noise 75-ohm single-output amplifier for 100-ohm installations. Feed up to 8 sets or more with line taps or splitters; or use as an amplified line splitter and extender for up to 16 trunk lines. Indoor mounting. 6½x3¾x3¾". With all fittings and brackets. For 117 V, 60 Hz AC. 11 B 1673, Shpg. wt., 2¼ lbs. 29.95

D MODEL 65-6 PREAMPLIFIER AND POST-AMPLIFIER

Antenna-mounting 2-transistor preamp. with 75-ohm downlead to 75-ohm one-output 2-tube distribution post-amplifier. Feeds up to 16 or more sets or trunk lines when used with line taps or splitters. Preamp. 2x2¼x4¼"; post-amp, 6½x3¾x3¾". 117V, 60 Hz AC. 11 B 1674, Shpg. wt., 3 lbs. 53.27

MOSLEY CUSTOM TV, FM INSTALLATION ACCESSORIES

WALL MOUNTING ANTENNA OUTLETS



E



F

Ivory-colored plastic wall plates with built-in receptacles and matching plugs for TV or FM transmission line-and-rotator cables. Can be flush-mounted on wall or over standard electrical outlet box with bracket supplied. All parts, instructions. Av. shpg. wt., 8 ozs.

E FOR TWIN-LINE AND ROTATOR CABLE

*Type FD-1PK wall plate is anti-stub type—has built-in switch to eliminate phasing stub or open-end line losses when more than one plate is connected to the same twin-line.

Stock No.	Type No.	Connections for	EACH
11 B 1010	F-1PK	1 twin-line	1.35
11 B 1087	*FD-1PK	1 twin-line	1.52
11 B 1008	FA-1PK	2 twin-lines	1.61
11 B 1629	F-14PK	1 twin-line & 4-wire rotor	2.15
11 B 1632	FA-114PKA	2 twin-lines & 4-wire rotor	2.67
11 B 1633	F-15PKA	1 twin-line & 5-wire rotor	2.37
11 B 1634	FA-115PKA	2 twin-lines & 5-wire rotor	2.49

E FOR COAXIAL CABLE AND ROTATOR CABLE

Ivory, flush mounting plates fit standard outlet box or in wall. Solderless connections for easy installation. *For shielded 300-ohm twin-line. With all hardware, instructions.

Stock No.	Type	Description	EACH
11 B 1606	CF-1PK	1 coax outlet	1.80
11 B 1644	CF-14PKA	1 coax 4-wire rotor	2.68
11 B 1642	CF-15PKA	1 coax 5-wire rotor	2.95
11 B 1609	CF-18PK	1 coax 8-wire rotor	3.52
11 B 1573	BL-1PK*	1 sh. twin-line	1.67

F FOR TWIN-LINE AND ROTATOR CABLE WITH PROVISION FOR AC OUTLETS

Metal barrier-plate is supplied for approved mounting in standard 2-gang electrical outlet box. Multiprong construction and spacing for polarization on these plugs prevents accidental insertion into AC outlet.

11 B 1002	AC-1PK	1 twin-line	1.74
11 B 1585	AC-11PK	2 twin-lines	2.50
11 B 1628	AC-14PKA	1 twin-line, 4-wire rotor	3.63
11 B 1638	AC-114PKA	2 twin-lines, 4-wire rotor	4.25
11 B 1639	AC-15PKA	1 twin-line, 5-wire rotor	3.56
11 B 1640	AC-115PKA	2 twin-lines, 1-5-wire rotor	4.20

SOLDERLESS LINE PLUGS, SOCKETS, CONNECTORS



A wide selection of solderless plugs, sockets, and connectors. Specially designed for use with flat antenna twin-line and multiple conductor rotor cables. Easy to assemble without soldering—just strip wires, insert, then tighten screws.

Provide sure, fast contact, permit quick connect and disconnect. All are molded of low-loss polystyrene for constant impedance. All units listed are clear except *Ivory color. †Pair, §Splicer for shielded 300-ohm twin-line. Av. shpg. wt., 2 oz.

Stock No.	Type	Fig.	Description	EA.
11 B 1482	27-S	G	Twin-line splicer	.22
11 B 1688	*18L-3S	G	Shld. t.-l. splicer	.90
11 B 1493	*303	M	Male twin-line	.31
11 B 1635	321	K	Polarized splicer	.61
11 B 506	311	H	Female twin-line	.27
11 B 1511	301	J	Male twin-line	.33
11 B 1020	*364	L	Female 4-wire	1.11
11 B 1631	*374A	M	Male 4-wire	.70
11 B 1636	*365	L	Female 5-wire	1.02
11 B 1637	*375A	M	Male 5-wire	.88

TV COUPLERS



Low-loss printed circuit TV or FM couplers. Four-set couplers may be used with 2, 3, or 4 receivers. Shpg. wt., 6 oz.

FOR FLAT, OVAL AND ROUND TWIN-LINE

Stock No.	Type	Description	EACH
11 B 1287	PC-4	4-set coupler	3.43
11 B 1288	PC-2	2-set coupler	1.57

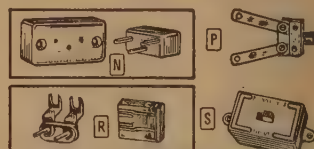
FOR 72/75-OHM COAXIAL CABLE

11 B 1397	C-24	4-set coupler	3.80
11 B 1399	C-22	2-set coupler	2.98

FOR SHIELDED 300-OHM TWINLINE

11 B 1687	BL-4PK	2, 3, or 4 sets	2.98
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MOSLEY ACCESSORIES WITH SOLDERLESS CONNECTIONS



N TYPE 343-PK TRANSMISSION LINE SOCKET WITH PLUG. Solderless. Mounts on base-board or wall. With twin-line plug and mounting screws. Ivory. 11 B 1004, Shpg. wt., 2 ozs. 99c

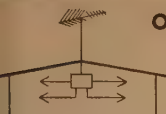
P TYPE 263S "Y-TY". Strain relief conn. for use where distance between ant. terms is 4" or less. Solderless. 11 B 1024, Shpg. wt., 2 ozs. 70c

R TYPE 304-PK ANTENNA CONNECTOR. For twin lead at TV set. Solderless. 11 B 1430, Shpg. wt., 2 ozs. 73c

S TYPE F-42 2-WAY ANTENNA SWITCH. Switch one antenna to either of 2 receivers, or 2 ants. to one rec. 300 ohms. UHF-VHF-FM. Ivory finish. 11 B 1571, Shpg. wt., 8 ozs. 1.67

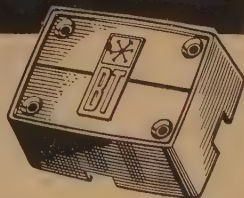
T TYPE 625 WALL-THRU INSULATOR. Fits walls up to 13". Polystyrene tube 14" long, inside plate and outside cap. Socket 343-PK above may be installed on inside plate. Ivory plastic. 11 B 1022, Shpg. wt., 1 lb. 1.30

TV-FM Couplers, Splitters, Arresters

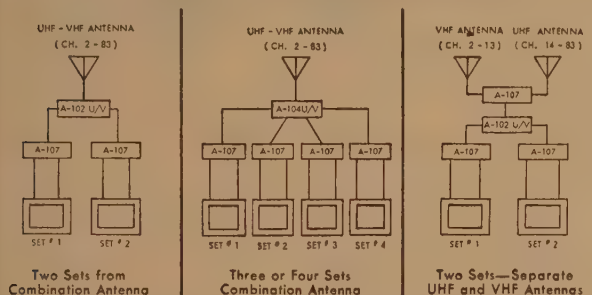


OPERATE UP TO FOUR SETS FROM A SINGLE ANTENNA

Low-loss couplers and splitters let you connect more than one TV or FM set to a single antenna while still receiving the full signal strength delivered to your antenna. This gives you a custom antenna installation, as used in many large buildings.



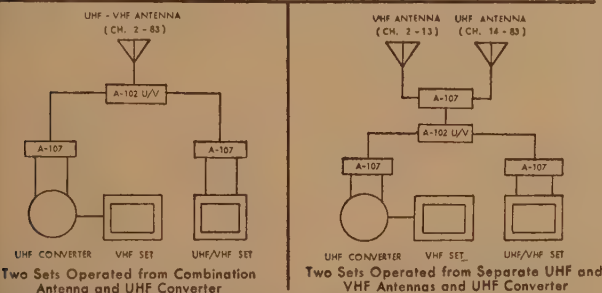
TYPICAL HOOKUPS USING SPLITTERS AND COUPLERS



Two Sets from Combination Antenna

Three or Four Sets Combination Antenna

Two Sets—Separate UHF and VHF Antennas



Two Sets Operated from Combination Antenna and UHF Converter

Two Sets Operated from Separate UHF and VHF Antennas and UHF Converter

SWITCHES, ATTENUATORS, TRANSFORMER/SPLITTER



A JFD AS-1 3-WAY ANTENNA SWITCH. Bat-handle switch for connecting any one of three separate antennas to one set; or one antenna to any one of three sets. Ideal for multiple-installations where one antenna or one set is used at a time. 5x2x1 1/4".
I B 1291. Shpg. wt., 4 oz.2.37

J JFD AS-5 3-WAY ATTENUATOR SWITCH. Three-way switch reduces TV or FM overloading problems. Bat-handle switch selects two levels of attenuation—15 or 25 dB—or no attenuation, eliminates picture "tearout". Impedance, 300 ohms. Includes hardware for back-of-set mounting. 5x2x1 1/4".
I B 1622. Shpg. wt., 4 oz.2.97

J JFD AS-2 2-WAY ANTENNA SWITCH. Two-way slide switch is used for connecting either one of two antennas to one set; or connecting one antenna to either one of two sets. For use in multiple installations where only one antenna or one set is used at a time. Minimum losses, perfect for color or black and white. With no-strip terminals. 5x2x1 1/4".
I B 1305. Shpg. wt., 4 oz.1.77

J JERROLD T-380A TRANSFORMER-SPLITTER. Matching transformer for use with all-channel coaxial antenna system. Unit serves a dual function: 1) matches 75-ohm coaxial cable to 300-ohm TV sets, enabling you to use the more efficient 75-ohm cable for improved color TV reception; 2) splits the signals from the antenna to provide separate UHF and VHF antenna inputs to your TV sets. Isolates line from AC-DC receivers. Has low insertion loss. With hardware for back-of-set mounting. 3x3x2".
I B 1643. Shpg. wt., 4 oz.4.68

BLONDER-TONGUE COUPLERS AND SPLITTERS

UV-CS VHF/UHF TV SPLITTER. Splits signal from a single UHF/VHF downlead for feeding a TV set with separate UHF and VHF antenna input terminals. High isolation and low insertion loss. No-strip 300-ohm terminals. 1 1/4x2 1/8x2 1/4". Shpg. wt., 4 oz.
I B 1620.2.25

MODEL UVF-CS VHF/UHF/FM SPLITTER. Splits signal from a single VHF/UHF/FM downlead for feeding a TV set with separate UHF and VHF antenna input terminals and an FM receiver or tuner. No-strip 300-ohm terminals. 1 1/4x2 1/8x2 1/4".
I B 1621. Shpg. wt., 4 oz.3.75

A-107 UHF/VHF TV SPLITTER. For connecting one UHF and one VHF TV antenna to a single down-lead. Can also be used to split signal from a single antenna for feeding a TV set with separate UHF and VHF antenna input terminals. 15 db isolation; 0.5 db insertion loss. No-strip 300-ohm terminals. Size, 1 1/4x2 1/8x2 1/4". 5 oz.
I B 1432.3.60

A-102U/V 2-SET UHF/VHF COUPLER. Has one input from antenna and two combination UHF/VHF outputs. Feeds UHF-VHF signal (channels 2 to 83) from single downlead to 2 TV sets, each having a single UHF-VHF antenna input. No-strip terminals. 1 1/4x2 1/8x2 1/4". 5 oz.
I B 1078.2.20

A-104U/V 4-SET UHF/VHF COUPLER. Has one input from antenna and four combination UHF/VHF outputs. Feeds UHF-VHF signal from a single downlead to up to four TV sets, each having a single UHF-VHF input. 1 1/4x2 1/8x2 1/4". 5 oz.
I B 1076.3.35

JFD LIGHTNING ARRESTERS

E AT-110S TUBULAR LINE ARRESTER. Protects receiver from damage in the event of lightning striking the antenna by providing a ground path over which the high current will pass. For all tubular twin-line. Supplied complete with 10" hanger strap, hardware. U.L. Listed. 2 1/4x1 1/4".
I B 1001. Shpg. wt., 8 oz.1.50

F AT-104S ROTATOR LINE ARRESTER. For 4-wire rotator lead-in. Makes positive contact with conductors. With ground lug and 10" hanger strap. U.L. Listed. 1 1/8x2x2".
I B 1109. Shpg. wt., 8 oz.1.80

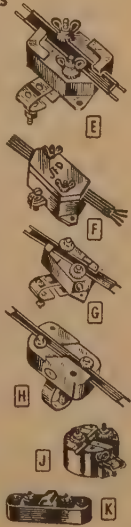
I B 1094, AT-106S. Similar to above but for 5-wire lead-in. Wt., 8 oz.2.40

G AT-105S FLAT-LINE ARRESTER. Can be mounted on mast or pipe. With 10" hanger strap. U.L. Listed. 1 1/8x2x2".
I B 1110. Shpg. wt., 15 oz.1.05

H AT-102S FLAT-LINE ARRESTER. For flat-type twin lead. Waterproof. Mounts on mast or pipe. Supplied complete with 10" hanger strap, 4' ground wire, and necessary hardware. U.L. Listed. 1 1/2x3 1/2x1 1/4".
I B 1530. Shpg. wt., 15 oz.2.25

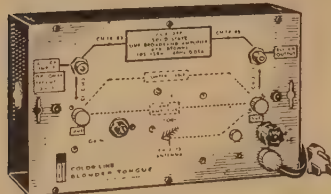
J G-C TELCO 8642 TV LIGHTNING ARRESTER. Use with any twin-line lead in. Single screw mounting. U.L. Listed. 2x2x3 1/4". 6 oz.
I B 1082.59c

K RADIO LIGHTNING ARRESTER. For series insertion in single-wire antenna lead-in. Made of moisture-proof porcelain. U.L. Listed. 1x3 1/2x1". Shpg. wt., 6 oz.
I B 1091.39c



Blonder-Tongue TV-FM Distribution Systems

These distribution systems amplify the signal from your TV or FM antenna, to permit delivering a strong clear signal to up to 150 receivers. There are models for homes, schools, motels, or any large building. Designed for maintenance-free operation.

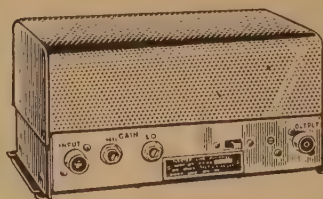


NEW! VHF AND UHF AMPLIFIERS

- Silicon Transistor Circuits
- Input for Powering Preamps
- High and Low Gain Controls

CVB-30P. Broadband VHF amplifier is ideal for homes, showrooms, small MATV systems. Two 75-ohm inputs, one for direct antenna connection, the other has duplexed low-voltage AC for powering a mast-mounted preamp. Gain: low band, 28.5 dB min.; high band, 30 dB min. 75-ohm output. Two controls for balancing gain of incoming signals. With BTF connectors, 3-wire power cord. 105-129 VAC. $8\frac{3}{4} \times 2 \times 3\frac{1}{2}$ in. 2 1/2 lb. **I B 1725.** Shpg. wt., 4 lbs. **58.45**

MODEL CUB-29P. High gain, high output broadband UHF amplifier with all silicon transistor circuit. Used to amplify UHF-TV signals. 30 dB for medium and small MATV systems. Eliminates the need for a UHF to VHF converter. Built-in input and output UHF/VHF multiplexers permit use with a companion VHF amplifier. Gain: 27 dB minimum, 470-890 MHz (30 dB typical). Input and output impedances: 75 ohms. $8\frac{3}{4} \times 5 \times 3\frac{1}{2}$ in. 3-wire cord. 110-120 VAC. **I B 1726.** Shpg. wt., 3 3/4 lbs. **129.00**



LARGE-SYSTEM VHF TV/FM AMPLIFIER

\$113.95
\$6 monthly

- For Up to 150-Set System
- High Gain on TV and FM
- Gain and Tilt Controls

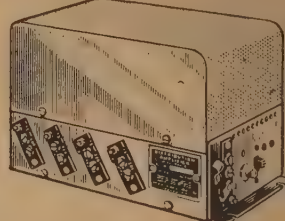
MODEL MLA-FM. VHF TV/FM amplifier provides a gain of 40 dB. Can be used to boost a single TV or FM set, or coupled with an antenna distribution system, will supply adequate power boost for up to 150 sets. Two or more may be used in series for added gain when extremely long lines are used. Provides maximum signal fidelity for color as well as black-and-white TV.

Separate controls make it possible to adjust either high (channels 7-13) or low (channels 2-6 and FM) band to compensate for differing input signal strengths. Features 75-ohm coaxial input and output connectors. Seven tubes. Ventilated metal cabinet, 9x6x5 1/2 in. For 110-120 volts, 60 Hz AC. Shpg. wt., 9 lbs.

I B 1437. **113.95**

MODEL MLA-C. Specifications similar to model MLA-FM above, but no provisions for FM reception. Shpg. wt., 9 lbs.

I B 1365. **101.78**



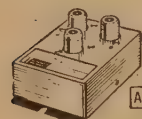
8-SET VHF AMPLIFIER

\$68.85
\$5 monthly

- High Gain to Each Set
- For Apartments, Motels
- 22-dB Output Isolation

MODEL DA8-B. Combination booster and isolation-distribution system for small apartment buildings, homes, motels. Outputs for 8 TV sets, with 22 dB minimum isolation between outputs to prevent interference between sets. 10 dB gain for sharp, clear pictures. Gain control range of 10 to 1 protects system from overload. Low-noise, all triode circuit. Inputs and outputs for 75 or 300-ohm lines. One output may be used to feed another DA8-B for more hook-ups. Includes power supply, terminating resistors, grounding clamp. Screw terminals. $5 \times 9 \times 5\frac{1}{2}$ in. For 110-120 VAC. **I B 1248.** Shpg. wt., 6 lbs. **68.85**

DISTRIBUTION SYSTEM ACCESSORIES



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A **MDC-2VU ALL-CHANNEL SPLITTER.** Indoor 2-way hybrid. Separates one 75-ohm cable into two 75-ohm outputs, both with combined UHF, VHF and standard AM band signal. Three SO-239 connectors. $4 \times 2\frac{1}{2} \times 1\frac{1}{4}$ in. Shpg. wt., 1 lb. **I B 1624.** **15.55**

B **"CABLEMATCH" TRANSFORMER.** Indoor. Matches 72 ohm to 300-ohm. Surface mtg. $2\frac{1}{2} \times 1\frac{1}{4} \times 1\frac{1}{4}$ in. Shpg. wt., 1/4 lb. **I B 1402.** **2.05**

I B 1081. New "Cablematch" Transformer. Above, but for use with UHF and VHF. Shpg. wt., 1/4 lb. **3.20**

C **MT-283 ANTENNA TRANSFORMER.** For channels, 2-83. Mounts on mast, matches 300 ohms to 75 ohms. RG-59/U connector. With hardware. Size, $5 \times 2 \times 1\frac{1}{4}$ in. Shpg. wt., 1 lb. **I B 1625.** **4.75**

D **TS-772 SPLITTER.** VHF indoor 2-way hybrid. Separates or combines one 75-ohm coaxial cable into two. High isolation. Blonder-Tongue QD connectors. Size, $2 \times 2 \times 1\frac{1}{4}$ in. Shpg. wt., 8 oz. **I B 1422.** **4.49**

E **TS-774F 4-WAY VHF SPLITTER.** Indoor hybrid. Provides four 75-ohm low-loss outputs from one 75-ohm input, or one output from four signals. Covers VHF-TV and FM. Standard F connectors. Size, $2\frac{1}{2} \times 4 \times 1\frac{1}{4}$ in. Shpg. wt., 4 oz. **I B 1626.** **8.45**

F **TSB-774 SPLITTER.** Similar to TS-774F splitter, but has QD connectors. Size, $2 \times 2 \times 1\frac{1}{4}$ in. Shpg. wt., 8 oz. **I B 1423.** **5.30**

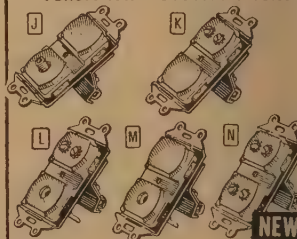
G **P-59T MALE CONNECTOR.** For use with "Masterline" MLC-A signal amplifier. Fits RG-59/U cable. Wt., 3 oz. **I B 1438.** **1.15**

I B 1075. P11T Connector. As above, but for RG-11/U coax cable. Wt., 3 oz. **1.13**

TS-731 MATCHING TRANSFORMER. For indoor use. 75-ohm impedance input to single non-isolated 300-ohm output. VHF only. For RG-59/U coax cable. Surface mounting. $2\frac{1}{4} \times 2\frac{1}{4} \times 1\frac{1}{4}$ in. Shpg. wt., 1/4 lb. **I B 1349.** **3.30**

H **COMATCH II TRANSFORMER SPLITTER.** 75-ohm input, separate VHF and UHF 300-ohm outputs. $1\frac{1}{4} \times 2\frac{1}{4} \times 2\frac{1}{4}$ in. 8 oz. **I B 1627.** **5.60**

"VERSA-TAP" SYSTEM JACKS



Mount in standard AC outlet box.

J **V-3156-17 VHF Dual Outlet Tapoff.** 75 and 300-ohm outputs. **I B 1546.** Wt., 4 oz. **3.50**

K **V-1517-X VHF Single Output Tapoff.** 75-ohm input, 300-ohm output. **I B 1548.** Wt., 4 oz. **2.10**

L **V-15MT VHF Matching Transformer.** Flush mounted, matches 75-ohm cable to 300-ohm set. **I B 1727.** Wt., 4 oz. **3.30**

K **V-1517-V/U-X UHF-VHF Tapoff.** 300-ohm output for TV set. **I B 1728.** Wt., 4 oz. **3.35**

M **V-1P17 VHF Tapoff.** Input and output, 75 ohms. Solderless conn. **I B 1547.** Wt., 4 oz. **2.30**

J **V-1M17 VHF Tapoff.** Similar to V-1P17, but with Benconector type output connector, 75 ohm input, output. **I B 1549.** Wt., 4 oz. **2.80**

M **V-1P17-V/U-X UHF-VHF Tapoff.** Like V-1P17, but 1 U/V output. **I B 1730.** Wt., 4 oz. **3.05**

N **V-2517-V/U-X UHF-VHF Tapoff.** Like V-1517, but 2 outputs. **I B 1731.** Wt., 4 oz. **3.45**

N **V-1370-17 VHF/UHF Splitter.** 300 ohm UHF, VHF outputs, 75 ohm input. **I B 1732.** Wt., 4 oz. **4.60**

TV Accessories and Service Aids

PICTURE TUBE BRIGHTENERS FOR LIKE-NEW TV

PICTURE TUBE "BRIGHTENERS" by PERMA-POWER

MODEL C-202 AUTOFORMER TYPE. Duo Decal Base. Adds life to aging picture tubes when anness is due to low cathode-emission—turns brightness and contrast to picture. Parallel or series sets with black-and-white picture tubes, 8" or larger. Boosts ment power 50%. Does not relieve cathode-filament shorts. Shpg. wt., 8 oz. **B 1204.**.....2.20

MODEL C-212 110° AUTOFORMER TYPE. Duo Base. For 110° picture base tubes. Sets filament 50%. For parallel or series. Does not relieve cathode-filament shorts. **B 1205.** Shpg. wt., 8 oz.2.20

MODEL C-301 ISOLATION TYPE. Duodecal Base. Brightens and isolates parallel or series types. Switch selects 6.3-V to relieve cathode-filament shorts; 7.8-V to increase cathode emission. Shpg. wt., 10 oz. **B 1092.**.....2.62

MODEL C-311 110° ISOLATION TYPE. Button Base. Picture tube brightener-restorer for 110° tubes. Adds life to aging cathode ray tube—eliminates need for costly premature replacement. Brightens and isolates parallel or series types. Relieves cathode-filament shorts, or increases cathode emission. Simple switch selects isolation. Operates on either series string or parallel wired filaments. Shpg. wt., 10 oz. **B 1093.**.....2.92

MODEL C-501 "COLOR BRITE." Extends life of 70", round 21" color CRT's. Increases filament voltage to boost cathode emission, return contrast and color quality. 1 lb. **B 1227.**.....5.73

B 1663, Model C-511. For 90°, 23-25" rectangular tubes. 1 lb.5.73



G-C 25-898 TUBE SAVER. Protects tubes against voltage surges. Tops for television sets, hi-fi systems and radios. Easy to install—tube-saver plugs into AC outlet, plugs into tube-saver. 2½x2½x1¼", 270 watts. For 110-120 V, AC-DC. Shpg. wt., 7 oz. **B 1210.**.....3.23

700 COLOR TUBE SAVER. Similar to 25-listed above, but rated 250-400 watts. Shpg. wt., 12 oz. **B 1211.**.....3.89

PERMA-POWER D200 "AUTOMATIC" VOLTAGE REGULATOR. Maintains normal operating voltage for TV sets, hi-fi systems, similar equipment. Useful where voltage is consistently low. Improves reception by eliminating picture linkage, flutter, and loss of brightness to low voltage. Automatically boosts line 10 volts when line voltage goes down 110. 300-watt capacity. Turns on off with appliance. 4¾x4¾x2¼". Shpg. wt., 2½ lbs. **B 1224.**.....5.85

MA-POWER D101 LINE VOLTAGE REGULATOR. As above, but has 3-position manual ch for boosting or lowering line voltage. Shpg. wt., 2½ lbs.4.09



EBY K-302 CRT EXTENSION HARNESS KIT. Expedites testing of any black-and-white picture tube. Consists of 3-ft. anode extension harness; 4-ft. CRT socket harness designed for use with both electrostatic and magnetic tubes; 3-ft. octal yoke harness. Shpg. wt., 10 oz. **B 1035.**.....4.80

W EBY K-320 CRT COLOR HARNESS KIT. Similar to K-302 extension harness kit ed above, but designed for color TV. Shpg. wt., 15 lbs. **B 1610.**.....10.50

EBY AC-1 CRT HI-VOLTAGE CONNECTOR. Important replacement part for television servicing and repair work. Second side connector. Silver-plated plug contacts for low-loss. 1½" diameter rubber cap, heavily insulated wire lead. 4 oz. **B 1034.**.....6.9c

MODEL C-501 "COLOR BRITE." Extends life of 70", round 21" color CRT's. Increases filament voltage to boost cathode emission, return contrast and color quality. 1 lb. **B 1227.**.....5.73

B 1663, Model C-511. For 90°, 23-25" rectangular tubes. 1 lb.5.73

C SUPEREX "CLEAR-PIX" INTERFERENCE FILTERS. Choice of units to overcome TV interference from various sources. For TV sets using 300-ohm twin lead. 5 oz.

Stock No.	Type	Attenuates	EACH
B 1066	CPH	21 MHz Amateur	1.17
B 1068	CFP	Strong FM station	1.17
B 1067	CPI	Ignition or similar	1.17
B 1065	CPC	Citizens Band	1.17

D MILLER ANTENNA TRANSFORMERS. Permits use of low-loss 52 or 72 ohm coaxial cable on 300 ohm receiver inputs. Two required: one at antenna, one at receiver. For indoor or outdoor. ¾x¾x1½". 3 oz. **B 1306.** Type 6161. 52 ohms. Each 1.91 **B 1309.** Type 6162. 72 ohms. Each 1.91

E REGENCY HP-45 HIGH-PASS FILTER. Blocks harmonic interference from frequencies below VHF TV band. 20 dB attenuation at 29 MHz, 40 dB below 14 MHz. With mounting bracket. 1½x¾x¾". 2 oz. **B 1315.**.....95c

F R. L. DRAKE TV-300-HP HIGH-PASS FILTER. Eliminates or reduces interference caused by police, Amateur (including 6-meter), Citizens Band, diathermy. 40 dB attenuation, 0 to 52 MHz. Attaches to 300-ohm antenna terminal. Size, 2½x2½x1½". Shpg. wt., 8 oz. **B 1160.**.....3.97

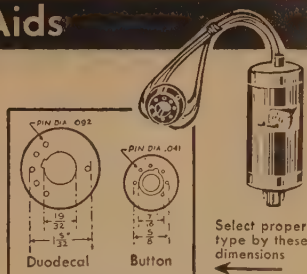
J J. W. MILLER 6295 ADJUSTABLE ION-TRAP. Universal single-magnet ion trap. Replaces any trap 32-55 gauss. 6 oz. **B 1103.**.....88c

K TV POWER CORD AND CONNECTOR. Identical to original equipment on most sets. 9 ft. long. U.L. Listed. 8 oz. **B 1045.**.....36c **B 1046.** 6-Ft. Cord, Conn. 6 oz.30c

MALLORY VIBRATORS FOR AUTO RADIOS

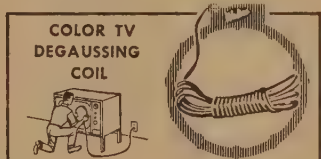
Auto radio vibrators for general replacement use. ½x2¾". 8 oz.

B 1280. 4-4. For 6-V. 4-pin plug.1.27 **B 1281.** 12-3. For 12-V. 3-pin plug.1.34 **B 1282.** 12-4. For 12-V. 4-pin plug.1.34



No rewiring—handy plug-in design

"KURE-ALL" by ANCHOR
MODEL UK-200. Duodecal Base. Corrects cathode and control grid shorts, opens, plus low emission, or any combination of these. Switch permits isolation of parallel or series filaments, with either normal or boosted voltage. For electrostatic or electromagnetic focus tubes. With instructions. 1 lb. **B 1104.**.....3.90

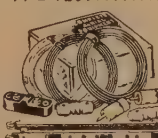


A "must" for color-TV owners. Use it just once, and it pays for itself. Demagnetizes picture tube to remove unwanted patches of green on screen. 7" dia. coil. Pushbutton switch. For 110-120 V 60 Hz AC. Instructions. **B 1048.** Shpg. wt., 10 oz.5.83 **B 1613.** Professional Degaussing Coil. 13" dia. 9' cord. Shpg. wt., 2 lbs. 17.97

VHF/UHF-TV CLARIFIER DEVICE

\$5.95 Amplifies, Filters

Amplifies pickup power of your antenna. Helms filter out ghosts and snow. 12-position switch selects elements for best picture without rotating antenna. For 115 V, 60 Hz AC-DC. Wt., 2½ lbs. **B 1209.**.....5.95



BROADCAST BAND AND SHORTWAVE ANTENNA KITS

\$219

Complete shortwave and broadcast band kit "pulls in" difficult-to-receive stations. Kit includes 100-ft. 7x26 bare copper wire; 40-ft. lead-in; 25-ft. heavy-gauge ground wire; 2 insulators; window lead-in; lightning arrester; 2 nail knobs; ground clamp; with complete instructions. Shpg. wt., 2½ lbs. **B 1239.**.....2.19

VLT-240 TRANSISTOR VARI-LOOPSTICK

For the experimenter, hobbyist, and original equipment replacement. Has impedance tap; micrometer adjustment with knob. Simplified, one-hole snap-in mounting. For use with 365 µF or 410 µF variable tuning capacitor. Size, 7/8x2". Shpg. wt. 4 oz. **B 1286.**.....73c

Antenna Towers and Installation Accessories

Need
No
Guy
Wires



ROOF-MOUNTING 4-FT. to 8-FT. TOWERS

Low As
\$710

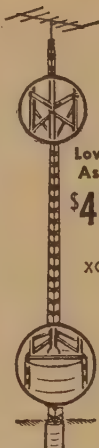
- Fit Any Roof
- Easy to Install
- Long Lasting

Made from
Beaded Channel
Leg Material

SERIES
RM

Self-supporting; no guys needed when securely anchored to roof. 3 hinged feet fit any roof; antenna is assembled and "walked-up" into place. Galvanized, beaded steel channel with stands rough weather. Packages include tower with mast and mast kit (RM4 and RM8 less mast). Mast recesses 2 feet into tower. Permit antenna heights of 10 ft. or 14 ft. above roof. Shipped knocked down, assemble quickly and easily. With complete instructions.

- 11 B 2358 ZF, RM4-8, 4-ft. tower, 8-ft. mast, mast kit. 23 lbs. 9.48
11 B 2359 ZF, RM4, 4-ft. tower, mast kit. 16 lbs. 7.10
11 B 2364 ZF, RM8-8, 8-ft. tower, 8-ft. mast, mast kit. 35 lbs. 15.74
11 B 2365 ZF, RM8, 8-ft. tower, mast kit. 28 lbs. 13.36



Low As
\$4131

XC B

SPAULDING ANTENNA TOWERS

CYLINDER-BASE TOWERS—14-FT. to 55-FT. HIGH

Need No Concrete Foundation—Set into Cylinder Base

SERIES XCB. High-strength, self-supporting towers. Assemble on ground or vertically. Special "culvert base" for quick, one-man installation. All-riveted 100% galvanized steel. Top holds any rotor. With base, adjustable hinge feet, 8-ft. mast and factory-assembled 8-ft. tower sections.

Stock No.	Type	Ant. Ht.	Sections	Lbs.	EACH
11 B 2294 ZF	X28CB	23'	2	122	41.31
11 B 2295 ZF	X36CB	31'	3	149	62.91
11 B 2058 ZF	X44CB	39'	4	174	71.75
11 B 2059 ZF	X52CB	47'	5	219	87.69
11 B 1832 ZF	X60CB	55'	6	282	103.66

Low As
\$1779

SERIES EP "ECONOMY-PACK" STRATO-TOWERS

Easy to Install on Ground or Roof-Top

Include listed quantity of 8-ft. zinc-plated steel tower sections, ground plate with stakes, 8-ft. mast kit. Mount with house bracket or roof mount (not supplied), below. Require guying if roof-mounted or over 16 ft. above house bracket.

Stock No.	Type	Ant. Ht.	Sections	Lbs.	EACH
11 B 2542 ZF	EP-1	14'	1	28	17.79
11 B 2541 ZF	EP-2	22'	2	51	26.18
11 B 2540 ZF	EP-3	30'	3	71	32.95
11 B 2535 ZF	EP-4	38'	4	90	41.19
11 B 2534 ZF	EP-5	46'	5	109	49.44
11 B 2543 F	EP-R1	Roof Base		2	3.27
11 B 2544 F	EP-H1	House Bracket		2	4.11

EP



NOTE

Spaulding towers are shipped truck F.O.B. Frankfort, Indiana, No. C.O.D. orders—send full remittance or use Allied's Credit Fund Plan. Send full shipping address—no Post Office box numbers. Shipping charges collected on delivery.

ANTENNA INSTALLATION KITS



With
Masts
\$395

VHF. Three 3'

galvanized mast sections; 300-ohm 100' twin line; lightning arrester; 5 screw-in, 2 mast standoffs; 20' ground wire.

- 11 B 2018 W, Vt., 6 1/2 lbs. 3.95
UHF. Same as above, but has 100-ft. foam-type twin line.
11 B 1017 W. 6.45

A HANGER STRAP. Mounts masts to odd-shaped objects. 3/4" perforated galvanized steel strapping. 12" coil, 1 lb.
11 B 1107. Each 55¢

B RING CLAMP. Supports guy ring on mast. Corrosion-resistant steel. Provides slip-proof grip. Fits mast up to 2 1/2" diameter. Pkg., 1 lb.
11 B 1369. Each 45¢

C CABLE CLAMP. Provides non-slip grip on guy wire ends. Fits cables to 3/8" dia. 1/2 x 1/2". Pkg., 4 oz. 2 per pkg.
11 B 1404. Per Pkg. 39¢

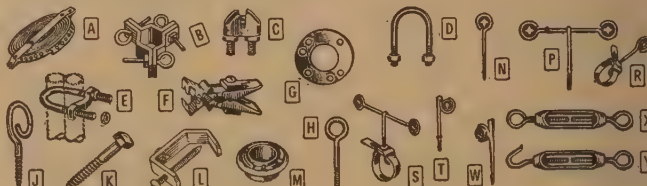
D U-BOLT. Galvanized steel. With nuts and washers. Fits masts to 1 1/2" O.D. Pkg. wt., 4 oz. 2 per pkg.
11 B 1122. Per Pkg. 25¢

E MAST CLAMP. Tight-grip yoke. For 2 masts, max. O.D. 1 1/4" each. Galvanized steel. Pkg., 4 oz. 2 per pkg.
11 B 1123. Per Pkg. 42¢

F ANTENNA CUP. Clips lead-in to antenna terminals. Pkg., 10 oz. 4 per pkg.
11 B 1405. Per Pkg. 49¢

G GUY RING. Rests on ring clamp. For 1 1/4 O.D. masts. Pkg., 10 oz. 5 per pkg.
11 B 1124. Per Pkg. 42¢

H CLOSED HOOK EYE. Anchors guys. 5" long. Pkg., 10 oz. 5 per pkg.
11 B 1126. Per Pkg. 35¢



J OPEN HOOK EYE. Anchors guy wires securely to roof. Screws into wood. Galvanized steel resists rust, corrosion. Pkg. 10 oz. 5 per pkg.
11 B 1125. Per Pkg. 29¢

K LAG BOLTS. Made of heavy cadmium-plated steel. 1/4" diameter shank. Bolts rigidly secure masts, bases, etc. to wood, brick and many other kinds of surfaces. Pkg., 5 oz. 10 per pkg.
11 B 1117. 1 1/2" Long. Per Pkg. 45¢
11 B 1118. 2" Long. Per Pkg. 49¢

L GROUND CLAMP. For secure connection to water pipes up to 1 1/2" dia. Screw terminal for ground wire. Shpg. wt. per pkg., 4 oz. 2 per pkg.
11 B 1433. Per Pkg. 35¢

M ALUMINUM FLOATING GUY RING. Fastens easily and quickly with set screw. Permits guyed mast to be rotated. Takes 3 or 4 guys on any mast to 1 1/4". Shpg. wt. 8 oz.
11 B 1296. Each 1.29
11 B 1311. As above, takes 3 or 4 guys on any mast to 1 1/4" O.D. Shpg. wt., 9 oz. Each. 1.39

N UNIVERSAL STAND-OFFS. For any TV antenna lead-in. Polyethylene insulation. Screw-in type. Shpg. wt. per pkg., 10 oz. 5 per pkg.
11 B 1127. 3 1/2" Long. Per Pkg. 24¢
11 B 1128. 5 1/2" Long. Per Pkg. 27¢
11 B 1129. 7 1/2" Long. Per Pkg. 34¢

P DOUBLE STAND-OFFS. Wood-screw type. hold two leads. For any TV lead-in. Pkg., 10 oz. 5 per pkg.
11 B 1132. 3 1/2" Long. Per Pkg. 69¢
11 B 1133. 5 1/2" Long. Per Pkg. 75¢
11 B 1134. 7 1/2" Long. Per Pkg. 78¢

R STRAP-TYPE SINGLE STAND-OFFS. Mount on mast. For any lead-in. Fit up to 3 masts. Pkg. wt., 6 oz. 3 per pkg.
11 B 1137. 3 1/2" Long. Per Pkg. 35¢
11 B 1138. 5 1/2" Long. Per Pkg. 41¢
11 B 1139. 7 1/2" Long. Per Pkg. 44¢

S STRAP-TYPE DOUBLE STAND-OFFS. As above, but hold two lead-ins. Clamp up to 3" mast. Pkg. wt., 6 oz. 3 per pkg.
11 B 1135. 3 1/2" Long. Per Pkg. 69¢
11 B 1136. 5 1/2" Long. Per Pkg. 72¢

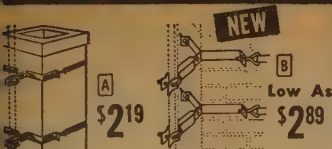
T DRIVE-IN STAND-OFFS. For all types lead-in. 3 1/2" long. Pkg., 5 oz. 5 per pkg.
11 B 1130. Per Pkg. 29¢

W UNIVERSAL HOT NAIL STAND-OFFS. For any lead-in. Hold in wood or mortar. No starting hole is needed. 3 1/2" long. Pkg., 4 oz. 5 per pkg.
11 B 1131. Per Pkg. 58¢

CAST ALUMINUM TURNBUCKLES. Provide easy adjustment of guy-wire tension. Shpg. wt. per pkg. 8 oz. 4 per pkg.

Stock No.	Fig.	Closed	Open	PER PKG.
11 B 1407	Y	5 1/2"	7 5/8"	.59
11 B 1409	Y	7 1/2"	10 1/2"	1.29
11 B 1410	X	5 1/2"	7 5/8"	.59
11 B 1412	X	7 1/2"	10 1/2"	1.29

Antenna Installation Mounts and Masting



A CHIMNEY MOUNT. Sturdy low-cost mount for TV or FM antennas. Has stainless steel strappings. Brackets are heavy-gauge steel, zinc-plated and dichromate-dipped for long life. Easily adjusted for tug, firm grip. For masts to 1 1/4" dia. With two 10-ft. straps, hardware. Wt., 4 lbs.
B SNAP-IN CHIMNEY MOUNT. Fit masts to 1 1/4" O.D. 4" chimney clearance. Steel brackets zinc-plated, dichromate dipped to protect against corrosion. Simply "snap" into place, tighten bolts. With two 12-lb. stainless steel straps. Wt., 4 lbs.

I B 1113.....2.19

I B 1121.....2.89

I B 1122.....2.89

I B 1123.....2.89

I B 1124.....2.89

I B 1125.....2.89

I B 1126.....2.89

I B 1127.....2.89

I B 1128.....2.89

I B 1129.....2.89

I B 1130.....2.89

I B 1131.....2.89

I B 1132.....2.89

I B 1133.....2.89

I B 1134.....2.89

I B 1135.....2.89

I B 1136.....2.89

I B 1137.....2.89

I B 1138.....2.89

I B 1139.....2.89

I B 1140.....2.89

I B 1141.....2.89

I B 1142.....2.89

I B 1143.....2.89

I B 1144.....2.89

I B 1145.....2.89

I B 1146.....2.89

I B 1147.....2.89

I B 1148.....2.89

I B 1149.....2.89

I B 1150.....2.89

I B 1151.....2.89

I B 1152.....2.89

I B 1153.....2.89

I B 1154.....2.89

I B 1155.....2.89

I B 1156.....2.89

I B 1157.....2.89

I B 1158.....2.89

I B 1159.....2.89

I B 1160.....2.89

I B 1161.....2.89

I B 1162.....2.89

I B 1163.....2.89

I B 1164.....2.89

I B 1165.....2.89

I B 1166.....2.89

I B 1167.....2.89

I B 1168.....2.89

I B 1169.....2.89

I B 1170.....2.89

I B 1171.....2.89

I B 1172.....2.89

I B 1173.....2.89

I B 1174.....2.89

I B 1175.....2.89

I B 1176.....2.89

I B 1177.....2.89

I B 1178.....2.89

I B 1179.....2.89

I B 1180.....2.89

I B 1181.....2.89

I B 1182.....2.89

I B 1183.....2.89

I B 1184.....2.89

I B 1185.....2.89

I B 1186.....2.89

I B 1187.....2.89

I B 1188.....2.89



C QUALITY RATCHET CHIMNEY MOUNT. For masts to 1 1/2" dia. Withstands high winds. Stainless Steel Strapping. This extra-rugged chimney mount is designed to withstand high winds and adverse weather. Fastens to chimney with wrench. With 12-ft. stainless steel strapping, 2 brackets.
I B 1322.....3.89
I B 1328.....4.49

I B 1323.....4.49

I B 1324.....4.49

I B 1325.....4.49

I B 1326.....4.49

I B 1327.....4.49

I B 1328.....4.49

I B 1329.....4.49

I B 1330.....4.49

I B 1331.....4.49

I B 1332.....4.49

I B 1333.....4.49

I B 1334.....4.49

I B 1335.....4.49

I B 1336.....4.49

I B 1337.....4.49

I B 1338.....4.49

I B 1339.....4.49

I B 1340.....4.49

I B 1341.....4.49

I B 1342.....4.49

I B 1343.....4.49

I B 1344.....4.49

I B 1345.....4.49

I B 1346.....4.49

I B 1347.....4.49

I B 1348.....4.49

I B 1349.....4.49

I B 1350.....4.49

I B 1351.....4.49

I B 1352.....4.49

I B 1353.....4.49

I B 1354.....4.49

I B 1355.....4.49

I B 1356.....4.49

I B 1357.....4.49

I B 1358.....4.49

I B 1359.....4.49

I B 1360.....4.49

I B 1361.....4.49

I B 1362.....4.49

I B 1363.....4.49

I B 1364.....4.49

I B 1365.....4.49

I B 1366.....4.49

I B 1367.....4.49

I B 1368.....4.49

I B 1369.....4.49

I B 1370.....4.49

I B 1371.....4.49

I B 1372.....4.49

I B 1373.....4.49

I B 1374.....4.49

I B 1375.....4.49

I B 1376.....4.49

I B 1377.....4.49

I B 1378.....4.49

I B 1379.....4.49

I B 1380.....4.49

I B 1381.....4.49

I B 1382.....4.49

I B 1383.....4.49

I B 1384.....4.49

I B 1385.....4.49

I B 1386.....4.49

I B 1387.....4.49

I B 1388.....4.49

I B 1389.....4.49

TELESCOPING TV ANTENNA MASTS

20-Ft. Mast \$5.95
50-Ft. Mast \$16.95

- Made of High-Carbon Steel Tubing
- Hot-Dipped After Fabrication
- Floating Guy Ring Permits Rotation.

50-FT. MAST. Heavy-duty telescoping mast for any TV (or FM) antenna array. Easy to install, heavy-duty bolts quickly lock each section in place. Rugged 18-gauge high-carbon steel tubing hot-dipped after fabrication. Consists of 5 mast sections—O.D.: #1, 1 1/4"; #2, 1 1/2"; #3, 1 3/4"; #4, 2"; #5, 2 1/4". With hardware. Wt., 42 lbs. Truck or express.

I B 2103 WZ.....16.95

40-FT. MAST. 4 rugged sections (see sizes listed above); Nos. 1, 2, 3, and 4. Max. ht., 40 feet. 32 lbs. Truck or express.

I B 2102 WZ.....12.95

30-FT. MAST. Consists of 3 rugged sections; Nos. 1, 2, and 3 described above. Max. ht., 30 feet. 22 lbs. Truck or express.

I B 2101 WZ.....8.95

20-FT. MAST. 2 sections; Nos. 1 and 2 above. Max. height, 20 feet. 13 lbs. Shipped truck, or express.

I B 2100 WZ.....5.95

ANTENNA MAST SECTIONS

Strong, seamless hot-dipped galvanized steel masts with swaged ends and locking joint. 1 1/4" O.D. *Truck or express only.

Stock No.	Ft.	Gauge	Wt.	EACH
I B 2084 W	5	20	2 3/4 lbs.	.89
I B 2119 W	5	18	2 3/4 lbs.	1.29
I B 2274 W*	10	20	5 lbs.	1.69
I B 2335 W*	10	18	7 lbs.	2.29

GROUND RODS

Selection of low-cost ground rods. Constructed of moisture-resistant copper-plated steel to assure a low resistance contact with earth. Complete with clamp. With bolt. *Shipped by truck or express only.

Stock No.	Size	Shpg. Wt.	EACH
I B 2537 W	4"x3/4"	1 1/2 lbs.	.69
I B 2538 KW*	6"x3/4"	2 1/4 lbs.	.89
I B 2539 KW*	8"x3/4"	4 1/4 lbs.	1.69

GROUND AND GUY WIRE

ALUMINUM GROUND WIRE, No. 8 solid wire. For all grounding applications.

Stock No.	Coil Feet	Wt., Lbs.	EACH
I B 1557	50	1 1/2	.79
I B 1558	100	2 1/4	1.59
I B 1559 KW	1000	26	14.95

NO. 20 GALVANIZED GUY WIRE. 6-strand wire in 100-ft. or 1000-ft. rolls.

I B 1560. 100-Ft. Roll, 2 lbs.....59¢

I B 1561 KW. 1000-Ft. Roll, 20 lbs.....5.89

NO. 18 GALVANIZED GUY WIRE. For heavy-duty use. 100-ft. or 1000-ft. rolls.

I B 1562. 100-Ft. Roll, 2 1/2 lbs.....98¢

I B 1563 KW. 1000-Ft. Roll, 25 lbs.....9.75

"PLASTICARD" PLASTIC-COVERED GALVANIZED GUY WIRE. High tensile strength wire with green transparent jacket. Resists sunlight, corrosion, wind, snow and temperature changes. Heavy-gauge plastic extruded over stranded galvanized steel wire.

I B 1181 W. 100-Ft. Roll, 2 1/2 lbs.....1.98

I B 1183 KW. 1000-Ft. Roll, 25 lbs.....18.95

Best grade high-tensile copper weld wire. Excellent for use with antennas as well as for guying antenna towers and masts. Features copper outer conductor bonded to steel core for exceptional strength and durability. You get choice of sizes ranging from 12 to 18 gauge. In 100 ft., 250 ft., and 500 ft. rolls.

COPPERWELD ANTENNA WIRE

Stock No.	Gauge	Feet	Lbs.	PER ROLL
I B 1357	12	100	2	2.94
I B 1358	12	250	5	6.91
I B 1359	14	100	1 1/2	2.59
I B 1360	14	250	3	5.51
I B 1361	18	250	2	1.91
I B 1362	18	500	3	3.46

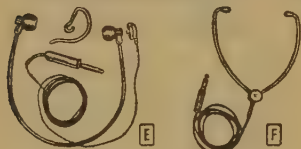
\$32.95
\$5 monthly

1200-42 DUAL HEADSET WITH BOOM MIKE

Deluxe communications headset meets all requirements for language-laboratory use. Dynamic headset response, 20-20,000 Hz; dynamic noise-canceling boom microphone, 100-8000 Hz. Imp.: headset, 600 ohms; mike, 300 ohms. Rugged 5-ft. cord, 1/4" phone plugs. Can easily be worn under chin. Gray. Shpg. wt., 1 lb.

17 B 6393, \$5 Monthly.....32.95
17 B 6394, 1210-04, As above, less mike. Shpg. wt., 12 oz.....24.95
17 B 6395, ACV-3 Foam Earcushions, Gray, washable, 2 oz.....Pair 1.50

SECRETARIAL HEADSETS



E "TELE-FI" HEADSET

Under-the-chin secretarial headset delays sound to one ear for better clarity. Frequency response, 60-6000 Hz. Earloop is provided for one-ear listening. Supplied with 5-ft. cord with 1/4" phone plug. Shpg. wt., 6 oz.

17 B 6149, HFR-91, 15 ohms.....5.95
17 B 6225, HFV-91, 125 ohms.....5.95
17 B 6154, HFV-91, 2000 ohms.....5.95
17 B 6216, CMT-2 Replacement Cord, 3 oz., 2.25

F NEW 799 SECRETARY'S MONOSET

Exceptionally-light headset weighs only 1.2 oz. Worn under-the-chin for added convenience; keeps headset cord from getting in the way, won't mess bouffant hairdos. Ideal for use in transcribing from office dictation machines. Has magnetic element, metal housing, removable earplugs. Frequency response, 50-5000 Hz. With 5-ft. cord, standard 1/4" phone plug. Maximum input, 25 mV. Replacement cord is same as for "Tele-Fi", above. Shpg. wt., 8 oz.

17 B 6183, 799-02, 125 ohms.....7.95
17 B 6184, 799-05, 2000 ohms.....7.95

GENERAL-PURPOSE HEADPHONES



Low as
\$6.95

Quality Headphones
for Amateurs, CB,
Shortwave Listeners
and Language Labs



DUAL HEADPHONES

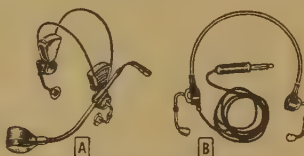
Low-cost headphones provide faithful sound reproduction even under difficult operating conditions. Lightweight and comfortable, adjust easily to fit anyone. Phones have removable ear cushions. Choice of 2000-ohm-impedance, or 600-ohm-impedance models. 5-ft. cord has standard 1/4" phone plug. Shpg. wt., 1 lb.

17 B 6220, 2000 Ohms.....7.95
17 B 6221, 600 Ohms.....6.95

HS-2000 "TELESET" DUAL PHON

High-quality dual headset is ideal Amateurs, Citizens Band, shortwave listeners, and other uses. Magnetic element provides maximum speech clarity. Comfortable, spring-tension stainless steel headband is rubber covered. Adjustable Response, 50-10,000 Hz. Impedance, 2000 ohms. Supplied with 5-ft. cord with standard 1/4" phone plug. Shpg. wt., 8 oz.

17 B 6070.....14.



LIGHTWEIGHT HEADSETS

A HEADSET WITH BOOM-MIKE

BCW-02. Comfortable, lightweight (only 3 1/2 oz.) easy-to-slip-on headset. For pilots, ship-to-shore, television and radio stations, Amateurs, Citizens Band, and switchboard use. Tone arms pipe sound to ears without covering them, lets wearer hear sounds in the surrounding area. Boom rotates 300°. Single cord allows freedom of movement. Headset impedance, 500 ohms. High-impedance noise-canceling carbon microphone. Order cord below. Shpg. wt., 1 lb.

17 B 6518, \$5 Monthly.....29.60
17 B 6293, CBE-54 Cord, 5-ft. long; with two 1/4" phone plugs. Wt., 3 oz.....7.95

B FAA-APPROVED "TWINSET"

HTW-2. Perfect headset for pilots, approved by the Federal Aviation Agency. Also excellent for Hams, CB'ers, TV and radio crewmen, language labs and secretaries. Lightweight and comfortable. Sound is fed directly into ears through adjustable arms. Background sounds remain intelligible for easy conversation. Magnetic receiver elements rest at temples. Weighs only 1.6 oz. Durable 5-ft. cord may be connected to either element. Standard 1/4" phone plug. Complete with pocket carrying pouch. Shpg. wt., 10 oz.

17 B 6262, 500 ohms.....14.50
17 B 6047, HTX-2, 1000 ohms.....14.50



MAGNA-TWIN MIKE/HEADSET

C DUAL HEADSET WITH BOOM MIKE

MRB-46 "MAGNA-TWIN" MARK III. Designed for language labs, other uses. Magnetic headset elements have 50-10,000 response. Carbon boom-mike, 50-6000 Hz. Headset, 500-600 ohms; mike, 600 ohms. Standard, 1/4" phone and m. plugs. Gray. Shpg. wt., 2 lbs.

17 B 6060, \$5 Monthly.....30.
17 B 6069, MRB-30, 10,000 ohm headset, Ceramic mike (50-9000 Hz), 2 lbs. 32.
17 B 6051, MR-6, Headset without mi. Impedance, 500-600 ohms, 2 lbs., 18.
17 B 6053, MR-4, Headset without mi. Impedance, 10,000 ohms, 2 lbs., 18.

D SINGLE PHONE WITH BOOM MIKE

MRB-75 "MAGNA-TWIN" MARK III. Variable headset/mike for professional communications. Magnetic headset element has frequency response of 50-10,000 Hz; carbon boom mike, 50-6000 Hz. Impedances: headset, 500-600 ohm; mike, 20 ohms. Mike boom cannot accidentally rotate mike out of position. Complete with 5-ft. cord with standard 1/4" phone plug. Gray. Shpg. wt., 2 lbs.

17 B 6390, \$5 Monthly.....24.
17 B 6391, MR-11, Headset without mi. Impedance, 500-600 ohms, 1 lb., 12.
17 B 6392, MR-12, Headset without mi. Impedance, 25,000 ohms, 1 lb., 12.

SUPEREX GENERAL-PURPOSE HEADPHONES

HEADSET FOR LANGUAGE LAB AND COMMUNICATIONS USE

APS. Lightweight headset is ideal for prolonged use. Soft, comfortable foam ear cushions block out background noise. Cushions are washable, blue polyvinyl. Frequency response from 80-12,000 Hz for highly intelligible voice reception. Factory connected for high impedance 600-ohm output. Leads may be easily changed to 4-16 ohms. 7-ft. 4-conductor cord, std. 1/4" phone plug. Shpg. wt., 3 lbs.

17 B 6302, \$5 Monthly.....24.95



NEW "COMMUNICATOR" COMMUNICATIONS HEADSET

COM-5. Extremely sensitive headset for all communications use. Lightweight, fully adjustable headband. Foam filled ear cushions are washable and replaceable. Dynamic element for crisp, clear reproduction of full range of audio and communication frequencies. Response, 100-10,000 Hz. Impedance, 4-16 ohms. Supplied with 7-ft., two-conductor cable, with standard phone plug. Shpg. wt., 1 lb.

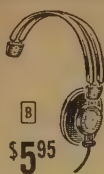
17 B 6309.....13.

Headphones for Communications and Private Listening

OUTSTANDING VALUE IN QUALITY HEADSETS



\$6.95



\$5.95



\$2.69



\$1.29

A DELUXE DUAL HEADPHONES

Excellent-quality headset for Amateur and CB use. Lightweight, with vinyl-covered double headband. Adjustable earpieces have removable ear-encompassing cushions that block out distracting noise from the surrounding area. Heavy magnets for clear sound. Heavy-duty 5' cord with phone tips. Gray. Shpg. wt., 1 lb.
B 6207, 2000 Ohms..... 6.95
B 6208, 3.2 Ohms..... 5.95

B DELUXE SINGLE HEADPHONE

Deluxe headphone for receiver monitoring and other uses. Perfect for mobile CB, some States permit only a single one for mobile operations. Vinyl-covered eardrum. Comfortable earcushion is removable. 1000 ohms. Five-ft. cord with one tip. Shpg. wt., 1 lb.
B 6209..... 5.95

C LOW-COST DUAL HEADPHONES

General-purpose headphones suitable for Amateur use and shortwave listening. Vinyl-covered double headband with easily adjustable yokes for comfort. Powerful Hyflux Alnico magnets, 1 7/8" diaphragm, 4 1/2-ft. high-quality plastic cords with phone tips. Terminals are inside the earphone. Shpg. wt., 1 lbs.
B 6083, 2000 ohms..... 2.69
B 6099, 11 ohms..... 2.69

D LOW-COST SINGLE HEADPHONE

Dependable headphone, suitable for hard-of-hearing installations, receiver and crystal set monitoring, other applications. 1 7/8" diaphragm. 4 1/2-ft. high-quality plastic cord with phone tips. Spring-metal headband, permanently attached. 1000 ohms impedance. Shpg. wt., 8 oz.
B 6085..... 1.29

LOW-COST HEADPHONE ACCESSORIES



E PHONE PLUG. Adapts tip jacks to phone plug, 6 oz.
B 6037..... 1.50

F FOAM EARCUSHIONS. Ear-encompassing to reduce external noises. Fit set, earpieces. Maximum comfort for long hours. Washable vinyl covering, 2 oz.
B 6203..... Per Pair 70¢



\$7.95

Cannon

STOP BLARING TV OR HI-FI WITH "PRIVATE LISTENERS"



Telex \$9.95

G CANNON HEADPHONE SET

Allows you to listen privately without disturbing others, or can be operated simultaneously with speaker. Aids hard-hearing. Control box has volume control and speaker/phones switch. Includes all headset, control box and 15-ft. cord.
B 6135, Shpg. wt., 2 lbs..... 7.95

FEDTRO EARPHONE SET

(not illus.) Control box has volume control, 17-ft. cable and two jacks. One mutes speaker for listening with earphone only. Other jack permits one person to use earpiece while other listens to speaker. From Japan. Wt., 1 lb.
B 6217..... 5.10

H TELEX PRIVATE LISTENING SET

LCP-90. For private TV, radio, or monophonic hi-fi listening. Useful for the hard-of-hearing. Has volume control, jacks for two earpieces. Switch turns speaker on or off—works either way. Installs easily by attaching to speaker leads. 15-ft. cord. With one earpiece. 1 lb.
B 6234..... 9.95
B 6281, Extra Earpiece, 1/4 lb..... 2.95

STC-1 TELEX STEREO HEADPHONE CONTROL. Gives remote on-off control and individual-channel volume control for one or two stereo or mono headsets. Switches speakers on and off. 15-ft. cord. Shpg. wt., 1 lb.
B 6224..... 10.50

KNIGHT KN-876 DELUXE STEREO HI-FI HEADPHONES

Deluxe headphones provide amazing channel separation and realism, assure individual volume/balance controls on each earcup. Comfortable foam earcushions block out external noise. Headband adjusts to anyone. Cushions and headband are washable. Response: 16,000 Hz. Impedance: 3-16 ohms. With 8-ft. cord and standard 1/4" phone plug. Shpg. wt., 1 1/4 lbs.
B 9508, \$5 Monthly..... 19.95



KNIGHT KN-878 LOW-COST STEREO HI-FI HEADPHONES

Large 3 1/2" transducers in each earcup surround listener with full-dimensional music. Comfortable vinyl earcups remove easily for cleaning. Vinyl covered foam rubber headband adjusts for perfect fit. Functional, modern styling in attractive charcoal gray. Response: 30-15,000 Hz. Impedance: 3-16 ohms. With 8-ft. cord and standard 1/4" phone plug. Shpg. wt., 1 1/4 lbs.
20 B 9579..... 11.95



LINCOLN

Lightweight,
Can Be Worn
For Hours



\$16.95

HEADSET WITH BOOM MIKE

- Earcushions Reduce Outside Sounds
- Sensitive Ceramic Boom Mike

Lightweight dual headset with boom mike is perfect for Hams, CB'ers, language labs, many other uses. Earpieces have extra-heavy-duty magnets for clear voice reproduction. Vinyl-covered headband. Comfortable ear-encompassing cushions are removable and washable. Earpieces adjust for perfect fit. Sensitive mike has ceramic element. Heavy-duty cord has phone plug for mike, tips for headset. Headset, 2000 ohms; mike, high impedance. Gray. Shpg. wt., 1 1/2 lb.
B 6206..... 16.95

RUBBER EARPHONE CUSHIONS. Provide comfortable listening over long periods and greatly reduce external noises. Rubber is easily washable. Fit all standard earpieces. Shpg. wt., 3 oz.
B 6103, 1-9 Pairs..... Per Pair 64¢
10 or More Pairs..... Per Pair 58¢



J

PILLOW SPEAKERS



K

J THORO TEST PS-8. Pillow speaker is inaudible to anyone except the user. Allows private listening anywhere. May be used with transistor radios, or across voice coil leads with other speakers. Impedance, 8 ohms. With 6-ft. cord and miniature phone plug. 1/2x2 1/4". Shpg. wt., 6 oz.
B 6092..... 3.95

K TELEX. Provides outstanding sound fidelity for private listening through a pillow or in the immediate vicinity of the ear. VA hospital approved. Stainless steel, easily sterilized. Dynamic speaker has handy hanger ring. Completely insulated. 1 1/2x3 3/4". Has 5-ft. cord, std. 1/4" plug. 12 oz.
B 6246, SDN-2A, 3.2 ohms..... 6.95
B 6256, SDM-2A, 10,000 ohms 9.95
B 6067, SDM-7A, 10,000 ohms; includes volume control..... 11.95

Handy Lights, Cords, Outlet Boxes

COC-NEW

POPULAR HEAVY-DUTY MULTIPLE OUTLET BOXES

Heavy-duty, 4' AC outlet boxes, rated 15 A, 115 V. Can be used portable or stationary. With 8 or 15 U-type grounded outlets, on-off switch, pilot light, 10' 3-wire cord with plug, fuse or circuit breaker. *Fuse protected, †circuit breaker. ‡Independent switches. Brown hammerstone metal case, 4 1/2"x2 1/2".

Stock No.	Mfr's Type	Outlets	Wt. Lbs.	EACH
26 B 2250	*LL-GD-8-10	8	7	14.95
26 B 2252	†LL-GD-CB-8-10	8	7	15.95
26 B 2253	*LL-GD-15-10	15	7 1/2	18.95
26 B 2300	†LL-GD-CB-15-10	15	7 1/2	20.95
26 B 2301	*LL-SS-GD-CB-8-10	8	7 1/2	20.95
26 B 2302	†LL-SS-PL-GD-CB-8-10	8	7 1/2	25.95

HANDY AC OUTLET BOXES

Short heavy-duty AC outlet boxes, 15 A, 115 V, 13x2 1/4x1 1/2", except MO-3, 5x2 1/4x1 1/2". On-off switch. MO types have pilot light. Fused or circuit breaker. *Four individually switched outlets. †3-wire. Brown hammerstone.

Low As
\$3.75

CIRCUIT-BREAKER TYPES

Stock No.	Mfr's Type	Outlets	Wt. Lbs.	EACH
26 B 2197	†MO-GD-CB	6	2 1/4	10.29
26 B 2198	MO-CB	6	2 1/4	8.57
26 B 2199	*SS-CB	4	2 1/4	8.57

FUSED TYPES

Stock No.	Mfr's Type	Outlets	Wt. Lbs.	EACH
26 B 1948	†MO-GD	6	2 1/4	7.95
26 B 1949	MO	6	2 1/4	6.25
26 B 1950	*SS	4	2 1/4	6.25
26 B 1951	MO-3	3	1 1/2	3.75

EAGLE SWITCHES, RECEPTACLES

A QUIET SWITCH, 15 A, 120 VAC. U.L. Listed. C.S.A. Approved. Shpg. wt., 4 oz.

26 B 2528, Brown—Single Pole...39¢

26 B 2529, Ivory—Single Pole...43¢

26 B 3000, Brown—3-Way...65¢

26 B 3001, Ivory—3-Way...69¢

B 3-WIRE DUPLEX RECEPTACLE, 15 A, 125 V. U.L. Listed. Screw, press terminals. Shpg. wt., 4 oz.

26 B 3006, Brown...34¢

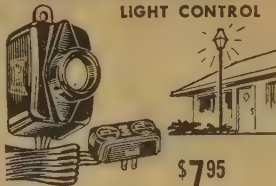
26 B 3007, Ivory...38¢

C DUPLEX FLUSH WALL RECEPTACLE, 15 A, 125 V. U.L. Listed. 4 oz.

26 B 3008, Brown...23¢

26 B 3009, Ivory...27¢

EAGLE "LIGHT-A-MATIC" LIGHT CONTROL



\$7.95

- "Lived-In" Look Discourages Prowlers
- Operates Lights When You're Away
- Protects Property and Valuable

Photoelectric control turns on lights at dusk, and shuts them off at dawn. Simply place control facing outside, natural light. Plug it into outlet and plug lamps into unit. Sealed case, 2 5/8"x1 1/4", 8' cord and series plug. 5.5 watts incandescent or 500 watts fluorescent, 110-125 V, 50-60 Hz AC. Shpg. wt., 1 lb.

26 B 1839.....7.95

TROUBLE-LAMP BARGAINS



Extend light and power. Heavy-duty insulated cable. Hard-rubber handle houses switch and 2 outlets. Supply up to 600 watts (including power for bulb) at 110-125 V, AC-DC. Less bulb. Av. shpg. wt., 3 lbs.

26 B 1947, Lamp with 50' Extension Cable.....2.29

26 B 1946, Lamp with 25' Extension Cable.....1.69

Model 500
\$7.95
Complete



CORDOMATIC HANDY-LITE REEL

- For Homes, Workshops, Garages
- Retractable 20' Heavy-Duty Cable
- Reel Mounts on Wall or Ceiling

Light, cord, and reel gives plenty light for workshops and garages. Heavy-duty cord pulls out as needed, and retracts automatically. Gravity locking permits finger control at any length. Reel can wall-mounted for 180° free swing or ceiling-mounted for 360° swing. Outlet in handle for power to test. Hardware for wall or ceiling mounting. 110-120 volt, 60 Hz AC. Wt., 3 1/2 lbs.

26 B 3190.....7.95

26 B 3191, Model 500G. AC. with 3-wire grounded outlet...9.95

CLAMP-ON UTILITY LIGHT



Convenient, portable light can be used anywhere. Clamps on chair, bed, post, etc. Vinyl-covered, heavy-duty clampwork mar finishes. Also handy in workshops and display lights in stores. Socket on swivel, can be adjusted to any angle; throw light where you want it. Incandescent bulb, 1 lb.

26 B 2585.....1.69

D VINYL EXTENSION CORDS

Have vinyl plug on one end and flat vinyl 3-way receptacle on other. Vinyl-covered No. 18 wire.

Stock No.	Ft.	Color	Wt.	EACH
26 B 2232	9	Brown	4 oz.	.41
26 B 2233	9	Ivory	4 oz.	.43
26 B 2230	6	Brown	3 oz.	.33
26 B 2231	6	Ivory	3 oz.	.36

E TV LINE CORD

Cheater-type TV line cord. 6', 2-conductor, brown vinyl-covered cord with plastic plug. Shpg. wt., 1 lb.

26 B 1944.....1.69

F REPLACEMENT CORDS

6', plastic, plug, end-stripped. 10 oz.

26 B 2551, Ivory.....1.69

26 B 2550, Brown.....1.69

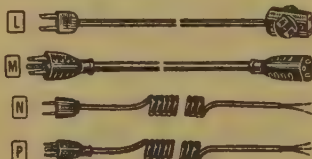
BELDEN ELECTRICAL CORDS



G QUALITY HEAVY-DUTY EXTENSION CORDS

Have molded 3-prong plug at one end and molded 3-prong receptacle at other end, 3-conductors. Yellow vinyl cover. U.L. Listed. *In table indicates gauge.

Stock No.	Mfr's Type	Fl.	*	Lbs.	EACH	
					1-9	10-U
26 B 2181	17491	25	18	2½	2.17	1.97
26 B 2182 X	17492	50	18	3½	3.98	3.65
26 B 2183 X	17493	100	18	9	7.18	6.55
26 B 2184	17494	25	16	2	2.54	2.32
26 B 2185 X	17495	50	16	4½	4.99	4.55
26 B 2186 X	17497	100	16	7	8.91	8.12
26 B 2187	17694	25	14	5½	5.33	4.86
26 B 2188 X	17695	100	14	10	9.35	8.52
26 B 2189 X	17697	100	14	19½	17.23	15.72



3-CONDUCTOR CORDS

Types 17236, 17238 and 17237 are for small tools, business machines, instruments. Others for sanders, grinders, saws, polishers requiring grounding. *Gauge. Black except, Ivory. Letters in Type No. indicate cordage. U.L. Listed. Av shpg. wt., 8 oz.

Stock No.	Mfr's Type	Fig.	Fl.	*	EACH	
					1-9	10-16
26 B 2872	17236-SV	H	6	18	.72	.66
26 B 2873	17238-SV	H	8	18	.81	.74
26 B 2874	17237-SVT	H	8	18	.65	.59
26 B 1930	17408-SJ	J	8	18	.88	.80
26 B 2875	17407-SJT	J	8	18	.80	.73
26 B 2876	17409-SJO	J	3	18	.80	.73
26 B 2877	17419-SJ	J	9	16	1.15	1.05

2-CONDUCTOR VINYL LINE CORD

Type 17106, 17109 for lamps, radios, appliances. Molded plug one end; other stripped. Type 17156 is a 3-way cube cord. All are brown. Letters in Type indicate cordage. *Gauge. U.L. Listed. Av. shpg. wt., 4 oz.

Stock No.	Mfr's Type	Fig.	Ft.	°	EACH	
					1-9	10
26 B 2854	17106-SPT	K	6	18	.33	
26 B 2855	17109-SPT	K	9	18	.41	
26 B 2856	17156-SPT	L	6	18	.42	

3-CONDUCTOR POWER CORDS

For electrical equipment having a built-in receptacle with blades and grounding. Can also be used as extension cord with devices requiring ground. Black rubber vinyl connectors. U.L. Listed. Type No. indicate cordage. Av. wt., 1 lb.

26 B 2895	17460	M	10	18	1.20	1
26 B 2896	17461	M	10	16	1.39	1

RETRACTABLE POWER CABLES

Stay neat...allow free movement of appliances. 6-ft. length retractable cable, 12-ft. to 24'. Black. U.L. Listed. Letter Type No. indicate cordage. Av. wt., 1 lb.

26 B 2878	17249-SVO	N	6	18	1.16	1
26 B 2879	17447-SJO	P	6	18	1.49	1
26 B 2880	17449-SJO	P	12	16	2.40	2

Electrical Accessories for Home, Shop

ASTIC, FRICTION ELECTRICAL TAPE



DUTCH PLASTIC ELECTRICAL TAPE

Black vinyl. A-7, .007"; 130, .010"; 167, 5", usable—10° F to +176° F, 6 oz.

- 3614, Type A-7, 3/4"x44",... Per Roll 80¢
- 3623, Type 130, 1/2"x108",... Per Roll 1.56
- 3671, Type 167, 3/4"x60",... Per Roll 1.24

DUTCH FRICTION ELECTRICAL TAPE

Black fabric base. Sticks tight, protects not wear or weather. Resists 1800 V, 7 oz.

- 2486, No. 4, 3/4"x30",... Per Roll 25¢
- 3612, No. 8, 3/4"x60",... Per Roll 48¢
- 3620, D48200, 3/4"x60",... Per Roll 24¢

SCOTCH PLASTIC ELECTRICAL TAPE

Black pressure-sensitive vinyl plastic. No. 33, 1/2", No. 88, .0085", all-weather tape, 6 oz.

- 3699, No. 33, 3/4"x44",... Per Roll 94¢
- 2512, No. 8, 3/4"x66",... Per Roll 1.39
- 3700, No. 88, 3/4"x66",... Per Roll 1.62

G.E. PLASTIC ELECTRICAL TAPE

Black vinyl with pressure-sensitive adhesive. No. .007"; AW-1, .0085", all-weather tape, 6 oz.

- 3698, No. GP-1, 3/4"x66",... Per Roll 1.39
- 3697, No. AW-1, 3/4"x66",... Per Roll 1.52

REFLEX GROUNDING PLUG

CONVERTIBLE GROUNDING
J.G. Ground-blade pivots to
2-hole outlets, 3 oz.

- 3066.....79¢



LUTRON ELECTRONIC DIMMER CONTROL

Saves **\$749**
Bulbs

- Replaces Standard 2-Way Light Switch
- Adjusts Lights for Every Requirement
- Use in Any Room of Your Home



Lets you adjust intensity of light to fit every requirement. Continuously variable—adjust for reading, TV watching, to provide a party atmosphere, etc. Simply turn the knob for desired light level. Push the knob to turn lights on or off; does not disturb intensity setting. Easy to install; replaces any standard 2-way light switch; fits into existing wall plate. Controls up to 600 watts of incandescent lighting. Must be used with a minimum of 100 watts. Solid-state design assures long life and top performance. Silicon transistors withstand high current and inverse voltage surges. Shpg. wt., 1/2 lb.

- 26 B 2303.....7.49

3-WAY ELECTRONIC DIMMER CONTROL. Same features as at left, but replaces 3-way switch. Wt., 1/2 lb.
26 B 3013.....11.95

FAN SPEED CONTROLS

Solid-state control varies speed from full to slow speed. Ideal for exhaust fans in range hoods and attic fans. Designed for use with any shaded-pole, permanent split-capacitor, or universal motor. Installs easily in single-gang electrical wall box. Protects against motor burnout and radio-frequency interference. 5- and 10-amp. ratings. Shpg. wt., 1/2 lb.

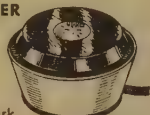
- 26 B 3693, 5-Amp Control.....9.95
- 26 B 3694, 10-Amp Control.....19.95

NEW LUTRON SOLID-STATE LAMP DIMMER

Controls **\$995**
600 Watts



- Dims One or More Lamps, Up to 600 Watts
- Push-On/Push-Off Fingertip Remote Control
- Concealed Glow-Light Visible Only in Dark



Flatter your rooms with the soft glow of muted light. New, decorator-styled Lutron Dimmer lets you decorate with light. You can brighten a corner, dramatize a furniture grouping, or highlight a painting by dimming or raising the light-level at will. For use in living room, dining room, den, bedroom, nursery, dinette, office, any-

where! Gives you continuous control of one or more lamps, up to 600 watts, incandescent. Saves electricity, too. A concealed glow-light helps you find switch in dark. Cork bottom protects furniture finish, 6" cord with plug. Use multiple-plug to control more than one lamp. 117 VAC. Wt., 1 1/2 lbs.
26 B 3752.....9.95



VALUES IN SELECTED ELECTRICAL WIRING ACCESSORIES FOR THE HOME

EAGLE BAKELITE GROUND ADAPTER. Heavy duty double wire contacts. For connecting 2-wire system to 3-wire parallel and U-ground. 3/4" grounding lead. Listed, 15 amp @ 125 V, 2 oz.
3669.....28¢

EAGLE PARALLEL GROUND ADAPTER. Gray vinyl; will not crack. Double wire acts. Connects 2-wire system to 3-wire parallel U-ground. Duplex receptacle accepts two. Grounding lug with "C" lug. Listed, 15 amp @ 125 V, 2 oz.
3729.....23¢

EAGLE VINYL CUBE TAP. 3 easy-to-get-at outlets. Brass spring prongs, 15 amp @ 125 V. U.L. Listed, 2 oz.
3724.....22¢

EAGLE BAKELITE TRI TAP. 3 taps, 15 amp @ 125 V. U.L. Listed, 2 oz.
32545.....23¢

EAGLE JIFFY PUSH-PULL PLUG. With brass spring prongs, 15 amp @ 125 V. U.L. ed. Shpg. wt., 2 oz.
2542.....9¢

EAGLE FLEXIBLE SPRING PRONG RUBBER HANDLE CAP. 15 amp @ 125 V. U.L. ed. With fibre washers, 2 per pkg., 1/2 oz.
3721.....Pkg. of 2 for 25¢

EAGLE FLAT BAKELITE HANDLE CAP. Brass spring prongs, 4 U.L. Listed, 15 amp @ 125 V. Pkg. of 2, 4 oz.
26 B 3723.....Pkg. of 2 for 23¢

EAGLE FLAT RUBBER CAP WITH SIDE OUTLET. With brass prongs. Wiring completely enclosed, 15 amp @ 125 V. U.L. Listed, 4 oz.
26 B 3722.....Pkg. of 2 for 33¢

EAGLE FLAT RUBBER CAP. Binding screws won't touch even when stepped on. Brass prongs, 15 amp @ 125 V. Use with Figs. N and P. U.L. Listed, 4 oz.
26 B 3725.....Pkg. of 2 for 29¢

EAGLE FLAT RUBBER CORD CONNECTOR. Female contacts, 15 amp @ 125 V. U.L. Listed, 2 oz.
26 B 3727.....38¢

INSULATED COPPER STAPLES. For holding wiring in place. Off-white insulation. Boxes of 50, 7 oz.
26B1914, 1/16"x1/2", Box of 50 for 21¢
26B1915, 1/16"x3/4", Box of 50 for 21¢

G-C CABLE CLAMPS. Nickel-plated, #6 mtg. hole, 25 per pkg., except #20, #15 per pkg., 4 oz.

Stk. No.	Type	Fit	Pkg.
26B2215	H502F	1/8" to 3/8"	36
26B2216	H503F	3/8" to 1/2"	36
26B2217	272431	1/4" to 3/8"	36
26B2218	H506F	5/16" to 1/2"	36

EAGLE LARGE RUBBER HANDLE CAP. 15 A @ 125 V. U.L. Listed, 2 oz.
26 B 3728.....23¢

EAGLE RUBBER CORD CONNECTOR. 15 A @ 125 V. U.L. Listed, 2 oz.
26 B 3603.....35¢

EAGLE RUBBER CONNECTOR. 15 A @ 125 V. U.L. Listed, 2 oz.
26 B 3726.....38¢

EAGLE PARALLEL GROUND RUBBER HANDLE CAP. 15 A @ 125 V, 2 oz.
26 B 3717, U.L. Listed.....45¢

EAGLE PARALLEL GROUND RUBBER CONNECTOR. 15 A @ 125 V, 2 oz.
26 B 3718, U.L. Listed.....89¢

FUSED PLUG. Takes 2-3AG fuses (not supplied). U.L. Listed, 3 oz.
26 B 3648.....37¢

PHENOLIC-TYPE SOLDERLESS WIRE CONNECTORS. Extremely handy; requires no tools; all you have to do is strip two ends, push them into connector, and screw cap down. Wire cannot be pulled out after being inserted into connector. U.L. Listed. Av. shpg. wt., pkg. of 2, 4 oz.

Wire Size	Stock No.	Pkg. of 12
16-18	26 B 3701	15
14-18	26 B 3702	19
12-18	26 B 3703	28



ENCYCLOPEDIA OF ELECTRONIC COMPONENTS

- For the Hobbyist and Experimenter
- Comprehensive and Authoritative

New encyclopedia of electronics components alphabetically lists, identifies thoroughly, describes and illustrates the electronics components currently in use. Written in non-technical language and amply illustrated. An authoritative reference for the student, hobbyist or experimenter, or even the veteran technician. Practical comments on how and where the component is used and on any special handling and installation requirements are included. Virtually an electronics text that produces in one reading an understanding of many components. 128 pp. $5\frac{1}{2} \times 8\frac{1}{2}$. 23 B 7930 EP, Postpaid in U.S.A. 1.00



UNDERSTANDING SCHEMATIC DIAGRAMS

- Detailed Explanations
- Easy to Understand
- Complete and Accurate
- Up-to-Date Information

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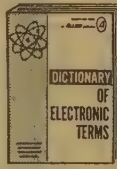
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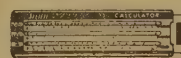
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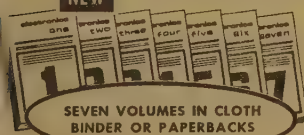
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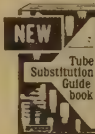
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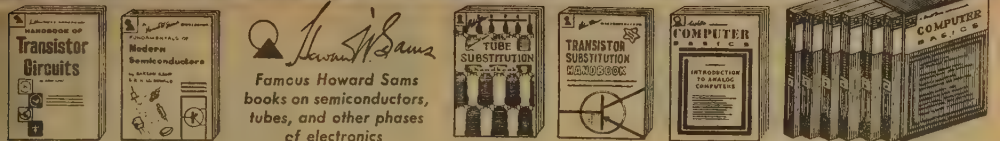
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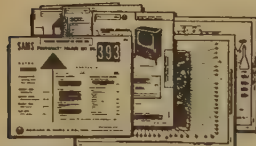
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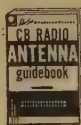
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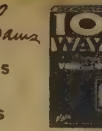
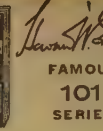
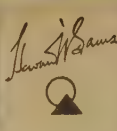
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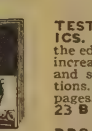
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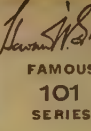
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\$11	\$220
\$12	\$240
\$13	\$260
\$14	\$280
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Increase your buying power with an Allied Credit Fund Account. No money down—just say "charge it" and we will open a Credit Fund Account for you. Take up to 24 months to pay. Your single, low monthly payment brings you anything that Allied sells. Add-on-orders require only your signature—no down payment is needed. Your application form is on the back of our order blank. See page 3 for complete information.

IF IT IS NECESSARY TO WRITE TO US...

We return your order papers with an invoice that summarizes prices and transportation charges. If you write to us about your order, please include all order papers and any correspondence that we have returned to you. If you don't have the order papers, please provide us with the Stock Numbers, and description of the merchandise, as well as the name and address that appeared on the original order.

ALLIED GUARANTEES YOUR COMPLETE SATISFACTION OR YOUR MONEY BACK

If for any reason you are not satisfied with your purchase, return it to us and we will exchange it or return your money less transportation charges. Merchandise returned must not have been abused or altered, or in the case of kits, incompletely assembled.

ABOUT OUR PRICES

You Pay NET Catalog Prices. Catalog prices are net, f.o.b. Chicago, except where otherwise indicated. Our NET catalog prices are the prices you pay on shipments within the United States, and to Canada and Puerto Rico. For shipments to other countries, see "Export Orders" page 410.

Your Order Is Shipped at Current Prices. Prices in this catalog replace prices in all previous Allied catalogs, and are subject to change without notice. Orders will be filled at prices in effect at time of shipment.

You Get Immediate Benefit of Any Price Reductions. If the price of any item in this catalog is reduced in another current Allied Catalog, we will fill your order at the lower price and refund the difference. You always get the benefit of lowest current catalog prices. We reserve the right to add any federal, state or local taxes now in effect, or which may be levied at any time after this catalog is printed.

TO HELP YOU WRITE YOUR ORDER

Please Use Our Order Blank. To speed your order, fill in all information requested. Always show ZIP code on order blank, and envelope.

Indicate Method of Shipment. We ship by Parcel Post, Express, and freight. Check rate charts on following 2 pages.

Cash Orders. On cash orders, please remit full amount for items ordered, plus postage and insurance. Don't worry about sending too much. Every extra cent will be refunded to you.

Shipping Weights. Weights in catalog and rate charts (next 2 pages) give shipping costs.

Insurance. To protect you, we insure all Parcel Post shipments with a dependable private insurance company. See page 409 for rates.

How to Send Money. Please send your remittance by Post Office or Express money order, bank draft, or check. PLEASE DO NOT SEND STAMPS. If you must send cash, please be sure to register your letter.

ABOUT C.O.D. ORDERS

To save you money, we strongly recommend that you send a remittance with your order. The Post Office charges a collection fee and money order fee. The minimum C.O.D. order is \$5.00, with a deposit of at least 20%.

PARCEL POST C.O.D. FEES:

\$0.01 to \$10.00.....	60¢	\$50.01 to \$100.00.....	90¢
\$10.01 to \$25.00.....	70¢	\$100.01 to \$200.00.....	\$1.00
\$25.01 to \$50.00.....	80¢		

HAVE YOU MOVED OR CHANGED YOUR NAME SINCE YOUR LAST ORDER TO ALLIED?

1 Ask your postmaster or RFD carrier for Post Office Change of Address Form #3575. Fill out and return to the Post Office that served your old address.

2 Fill in change on coupon at right and mail to Allied so we can bring your records up to date. This assures you of receiving all of Allied's catalogs and flyers regularly.

MY NEW NAME AND ADDRESS IS:

NAME.....
(First) (Last)
ADDRESS.....
(RFD Route) (Box)
POST OFFICE (TOWN).....STATE.....ZIP.....

MY OLD NAME AND ADDRESS WAS:

NAME.....
(First) (Last)
ADDRESS.....
(RFD Route) (Box)
POST OFFICE (TOWN).....STATE.....ZIP.....

DELIVERY INFORMATION

PARCEL POST SHIPMENT

EIGHT b. & Not ceding	Chicago	1st & 2nd Zone up to 150 mi.	3rd Zone 150 to 300 mi.	4th Zone 300 to 600 mi.	5th Zone 600 to 1000 mi.	6th Zone 1000 to 1400 mi.	7th Zone 1400 to 1800 mi.	8th Zone Over 1800 mi.
2	\$0.40	\$0.50	\$0.50	\$0.55	\$0.60	\$0.70	\$0.75	\$0.80
3	.40	.55	.60	.65	.75	.85	.95	1.05
4	.45	.60	.65	.75	.85	1.00	1.10	1.25
5	.45	.65	.70	.80	.95	1.10	1.30	1.45
6	.45	.70	.80	.90	1.05	1.25	1.45	1.65
7	.50	.80	.85	1.00	1.15	1.40	1.60	1.85
8	.50	.85	.90	1.05	1.30	1.50	1.75	2.00
9	.55	.90	.95	1.15	1.40	1.65	1.90	2.20
10	.55	.95	1.05	1.20	1.50	1.75	2.10	2.40
11	.55	1.00	1.10	1.30	1.60	1.90	2.25	2.60
12	.60	1.05	1.15	1.35	1.70	2.00	2.40	2.75
13	.60	1.10	1.20	1.45	1.80	2.10	2.55	2.95
14	.65	1.15	1.30	1.50	1.90	2.25	2.70	3.10
15	.65	1.20	1.35	1.60	2.00	2.35	2.95	3.30
16	.65	1.25	1.40	1.65	2.10	2.45	3.00	3.45
17	.70	1.30	1.45	1.75	2.20	2.60	3.15	3.65
18	.70	1.35	1.50	1.80	2.30	2.70	3.30	3.80
19	.75	1.40	1.60	1.90	2.40	2.85	3.45	4.00
20	.75	1.40	1.65	1.95	2.50	2.95	3.60	4.15
21	.75	1.45	1.70	2.05	2.60	3.05	3.75	4.35
22	.80	1.50	1.75	2.10	2.65	3.15	3.90	4.50
23	.80	1.55	1.80	2.15	2.75	3.30	4.05	4.65
24	.85	1.60	1.85	2.20	2.85	3.40	4.15	4.85
25	.85	1.60	1.90	2.30	2.90	3.50	4.30	5.00
Each lb.	Add 5¢	Add 5¢	Add 5¢	Add 5¢	Add 10¢	Add 10¢	Add 15¢	Add 15¢



HOW TO ESTIMATE PARCEL POST CHARGES

Up to 16 oz., all zones allow 4¢ for first 2 oz., 2¢ for each additional oz. Find the weight of your merchandise in the extreme left-hand column of the chart at left. Pay the amount listed for Parcel Post shipment to your zone. A fraction of a pound is charged as a full lb. For example, if the weight is 5 lbs. and 1 oz. to Zone 4, postage would be for 6 lbs. (90¢). Over 25 lbs. shpd. truck or exp. See below.



AIR PARCEL POST SHIPMENTS

We will ship your order via Air Parcel Post upon your request. Rates are given in the table, below. Size and weight limits: 70 lbs. and 100 in. (length plus girth).

7¢ per ounce, up to 8 ounces								U.S. Territories Possessions and APO & FPO Addresses, See Page 410
ZONES	1, 2 & 3	4	5	6	7	8		
1st Lb.	68¢	73¢	78¢	83¢	83¢	88¢		
For Each Add.								
Extra Lb.	48¢	50¢	56¢	64¢	72¢	80¢		

NOW YOU CAN USE YOUR ZIP CODE TO FIND YOUR PARCEL POST ZONE

Use the first 3 digits of your Zip Code number to determine your parcel post zone. Example: If your Zip Code

is 58374, use the first 3 numbers (583), and refer to chart below for your Zone which is 5.

Zip Code	Zone	Zip Code	Zone	Zip Code	Zone	Zip Code	Zone	Zip Code	Zone	Zip Code	Zone	Zip Code	Zone
006-009	8	286-289	4	400-406	3	474-478	3	560-574	4	718	5	835-839	7
010-046	5	290-292	5	407-409	4	479	2	575-579	5	719-729	4	840-849	6
047	6	293	4	410	3	480-489	3	580-581	4	730-739	5	850-854	7
048-098	5	294-295	5	411-419	4	490-491	2	582-589	5	740-744	4	855-863	6
100-129	5	296-297	4	420	3	492	3	590-591	6	745	5	864	7
130-132	4	298-299	5	421-422	4	493-495	2	592-593	5	746	4	865-880	6
133-139	5	300-303	4	423-424	3	496-499	3	594-599	6	747-748	5	881	5
140-179	4	304	5	425-426	4	500-504	3	600-605	1	749	4	882-883	6
180-199	5	305-307	4	427-438	3	505	4	606	Local	750-778	5	884-889	5
200-215	4	308-329	5	439	4	506-507	3	607-609	1	779-785	6	890-899	7
216	5	330-334	6	440-443	3	508-519	4	610-619	2	786-787	5	900-933	7
217	4	335-338	5	444-447	4	520	2	620-636	3	788	6	934	8
218-219	5	339-349	6	448-456	3	521-526	3	637-649	4	789-796	5	935-938	7
220-232	4	350-359	4	457	4	527-539	2	650-652	3	797-799	6	939-951	8
233-238	5	360-361	5	458-459	3	540	4	653-675	4	800-819	5	952-953	7
239-274	4	362	4	460-462	2	541-547	3	676-679	5	813-819	6	954-955	8
275-279	5	363-369	5	463-464	1	548	4	680-689	4	820-823	5	956-961	7
280-282	4	370-389	4	465-469	2	549	3	690-699	5	824-825	6	962-969	8
283-285	5	390-396	5	470-472	3	550-558	4	700-715	5	826-828	5	970-994	7
		397	4	473	2	559	3	716-717	4	829-834	6	995-999	8

INSURANCE

insure all Parcel Post shipments with a private insurance company. In case of loss or damage, payment is made easily and quickly. Please allow insurance as follows:

\$ 2.00 to \$ 15.00	 20¢
\$ 15.01 to \$ 50.00	 30¢
\$ 50.01 to \$ 100.00	 40¢
\$ 100.01 to \$ 150.00	 50¢
\$ 150.01 and Up	 60¢

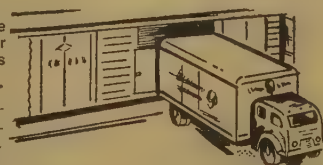
MONEY ORDER FEES:

From \$0.01 to \$10.00	 25¢
From \$10.01 to \$50.00	 35¢
From \$50.01 to \$100.00	 40¢

TRUCK SHIPMENTS

For heavier shipments, truck is most economical. Shipping rates in the table below vary slightly in different areas, and in addition, some areas charge for residential delivery. Contact your local carrier for information. Shipping charges are collected on delivery.

Minimum Charge	Maximum Distance in Miles						
	50	150	300	500	750	1000	1500
100 Lbs.	\$5.75	\$5.75	\$6.00	\$6.60	\$8.61	\$ 8.75	\$ 9.25
50 Lbs.	5.75	5.75	6.00	7.40	10.70	10.71	12.30
50 Lbs.	5.75	6.14	7.60	9.86	14.00	14.28	16.28
For Each Extra Lb.	Add 6¢	Add 6¢	Add 6¢	Add 7¢	Add 9¢	Add 9¢	Add 10¢



DELIVERY INFORMATION



RAILWAY EXPRESS

One of the fastest ways to ship unmailable equipment. Remit full amount for merchandise, but do not send money to cover Express charges, which are collected on delivery. "U" or "Z" at end of Stock No. designates an unmailable item (examples: 11 B 2501 U; 11 B 2001 Z; 13 B 2532 CU, etc).

HOW TO ESTIMATE EXPRESS CHARGES

(Rates are about 10% higher to eastern states.)

Weight in Pounds	Mileage									
	50	150	300	500	750	1000	1500	2250		
5	\$4.70	\$4.70	\$4.70	\$4.70	\$4.70	\$4.70	\$4.85	\$5.05		
10	5.20	5.20	5.20	5.20	5.20	5.20	5.50	5.90		
15	5.20	5.20	5.20	5.20	5.20	5.20	5.70	6.15		
20	5.20	5.20	5.20	5.55	6.10	6.20	6.80	7.70		
25	5.20	5.40	5.40	5.90	6.35	6.70	7.45	8.55		
35	5.45	5.75	5.90	6.65	7.50	7.70	8.80	10.30		
45	5.70	6.10	6.40	7.35	8.45	8.70	10.10	12.05		
55	5.95	6.50	6.90	8.05	9.40	9.75	11.45	13.80		
70	6.35	7.05	7.65	9.10	10.85	11.25	13.40	16.45		
80	6.65	7.40	8.15	9.80	11.75	12.25	14.75	18.20		
For each 100 lbs.	6.35	7.30	8.35	10.40	12.95	13.60	16.55	21.15		

UNMAILABLE ITEMS

Unmailable items are designated by a "U" or "Z" in the stock number. We limit Parcel Post shipment to 25 lbs. and 72 in. (length plus girth). High-value or fragile merchandise is shipped express (even if size and weight are within parcel post limits).



AIR SHIPMENTS

"Rush" orders will be shipped via air freight, Air Express, or Air Parcel Post upon your request. Contact your local express or postal agent for information concerning shipping costs. Shipping charges (except Air Parcel Post) will be collected on delivery. Air Parcel Post charges should be included with remittance.

SHIPMENTS DIRECT FROM FACTORY

The letter "F" at the end of our Stock Nos. indicates merchandise that is shipped directly from the factory collect by Express or truck only. Freight and Express charges are based upon the distance from factory to point of destination.



SHIPMENTS OUTSIDE THE CONTINENTAL UNITED STATES

IMPORTANT! On all merchandise shipped outside the United States, please allow 30 to 60 days for delivery. For faster shipment please request "Air". Be sure to include the additional air charges in figuring your order. See AIR PARCEL POST SHIPMENTS chart on page 409 or consult your local air agent for charges. No C.O.D. orders

CANADA. We deduct 10% from face value of remittances in Canadian currency. Please add 10% to such remittances. Parcel Post limits: 25 lbs. and 72 inches (length plus girth). 80¢ for first 2 lbs.; 30¢ for each added lb. Insurance fees, p. 409. No C.O.D. or Air Parcel Post. We can ship Express or freight.

ALASKA AND HAWAII. Parcel Post is limited to 70 pounds and 100 inches (length plus girth). Zone 8 rates. Insurance fees, p. 409. Air freight, Express, requires Marine and Risk Insurance. Air freight—10¢ per \$100.00; Air Express—18¢ per \$100.00; truck or ship, 50¢ per \$100.00.

APO'S AND FPO'S. Air and surface shipments are usually limited to 70 pounds and 100 inches (length plus girth). Determine restrictions to your APO or FPO before ordering. No C.O.D. shipments. Remit charges as follows:

NEW YORK APO'S AND FPO'S. Use Zone 5 Parcel Post and Air Parcel Post rates. See chart on page 409.

SAN FRANCISCO APO'S AND FPO'S. Use Zone 8 Parcel Post and Air Parcel Post rates. See chart on Page 409.

U.S. POSSESSIONS. All transportation charges must be included with remittance. See your local agent for charges. Parcel Post shipments to Canal Zone, Canton Island, Guam, Marianas and Marshall Islands, Puerto Rico (*see note below), Samoa, Virgin Islands and Wake Island are limited to 70 lbs. and 100 in. (length plus girth). Charges based on Zone 8 rates. No C.O.D. *Puerto Rico imposes excise taxes on delivery of electrical appliances (hi-fi's, components, etc.) of at least 15%.

EXPORT ORDERS

The minimum order we can accept for delivery outside the U.S. is \$25.00 in U.S. currency. Each export order must be accompanied by cash for the full amount of the order or an irrevocable letter of credit. Prices are net, F.O.B. our plant. Include 20% over merchandise value for documentation, packing and shipping costs. On orders over \$500.00

include 10%. Any extra money that is sent will be refunded. Parcel post to APO or FPO addresses are considered domestic mailings—use Zone 5 rates for New York, Zone 8 for San Francisco. For any additional information you may require, write to our Export Department, 100 N. Western Ave., Chicago, Illinois 60680.

TO RETURN MERCHANDISE FOR ANY REASON . . .

Parcel Post. Place instructions, order papers and correspondence in an envelope inside package. Mark "First Class Mail Enclosed" and add extra postage for letter. Be sure to insure the package.

Express and Freight. Place all papers in a stamped sealed envelope inside the package. Date envelope and draw lines across the stamp with ink. Your name and address should be on envelope and package.

Ship prepaid to: Allied Radio; Returned Goods Dept. 100 N. Western Ave., Chicago, Illinois 60680

Place original order papers and a letter of explanation in an envelope

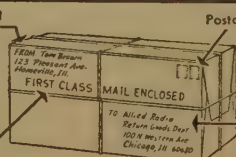


Put envelope inside your package



Print name and address as on original order

Print this on package



Postage for package plus postage for letter

Address package to Allied

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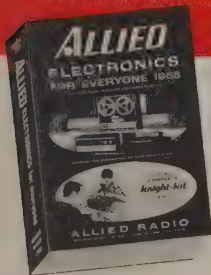
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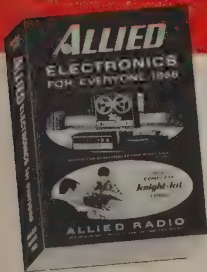
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Low-Cost ALLIED Guaranteed Receiving Tubes

NEW! ALLIED'S OWN MONEY-SAVING TUBES

Fully Guaranteed For 2 Years!

- Special Low Money-Saving Prices
- Save Even More On Quantity Purchases
- Wide Selection, Including Latest Types
- You Get Prompt Shipment in Quantity

Allied's own receiving tubes, available now at money-saving prices. Save even more by buying in quantity. Made for Allied to give you dependable performance at the lowest price possible. Allied will replace, free of charge, any tube that is defective due to faulty workmanship or material within two years of purchase date (not applicable to broken tubes). Ideal for replacement applications or designing new electronic equipment. **Quantity prices also apply to assorted tubes.** Some tubes are imported—country of origin is shown on tube carton. *When ordering, specify Dept. No. (25 B 51) AND tube type. Example: 25 B 51 0Z4. Av. shpg. wt., 4 oz.*

USE ALLIED'S CREDIT FUND PLAN TO BUY TUBES

Get all the tubes you need, now, and take up to 24 months to pay! No money down, nothing to pay for 30 days. Get quantity-price savings now!



Dept. No.	Tube Type	EACH		
		1-9	10-49	50-Up
25 B 51	0Z4	1.00	.96	.86
25 B 51	103GT/1B3GT	1.24	1.10	.99
25 B 51	1K3/1J3	1.24	1.10	.99
25 B 51	1V2	.99	.88	.79
25 B 51	1X2B/1X2A	1.30	1.16	1.04
25 B 51	2AV2	1.06	.94	.85
25 B 51	2CY5	1.48	1.32	1.19
25 B 51	3A3A/3B2	1.28	1.09	.98
25 B 51	3AT2	1.37	1.22	1.10
25 B 51	3BZ6	.97	.86	.75
25 B 51	3CB6/3CF6	.97	.86	.75
25 B 51	3DG4	1.94	1.72	1.55
25 B 51	3DG5	1.74	1.54	1.39
25 B 51	4BZ6	.97	.86	.75
25 B 51	5AQ5	1.08	.96	.86
25 B 51	5CG8	1.50	1.34	1.21
25 B 51	5U4GB	.84	.76	.68
25 B 51	5U8	1.39	1.24	1.12
25 B 51	5Y3GT	.79	.60	.54
25 B 51	6AL4A	1.69	1.50	1.35
25 B 51	6AK5/EF95	2.03	1.80	1.62
25 B 51	6AL5	.85	.76	.68
25 B 51	6AR5A	1.47	1.30	1.17
25 B 51	6AN8A	1.78	1.58	1.42
25 B 51	6AQ5A	1.02	.90	.81
25 B 51	6AS5	1.24	1.10	.99
25 B 51	6AU4GT	1.53	1.36	1.22
25 B 51	6AU6A	.88	.78	.70
25 B 51	6AU8A	1.98	1.76	1.58
25 B 51	6AV6	.79	.60	.54
25 B 51	6AW8A	1.62	1.44	1.30
25 B 51	6AX4GTB	1.12	1.00	.90
25 B 51	6AY3B	1.30	1.16	1.04
25 B 51	6BA6/EF93	.95	.84	.76
25 B 51	6BC8	1.69	1.50	1.35
25 B 51	6BE6	1.08	.96	.86
25 B 51	6BH6	1.24	1.10	.99
25 B 51	6BK4B	3.03	2.73	2.45
25 B 51	6BK7B	1.60	1.42	1.28
25 B 51	6BL7GT	2.07	1.84	1.66
25 B 51	6BL8/ECF80	1.08	.96	.86
25 B 51	6BN4A	1.53	1.36	1.23
25 B 51	6BN6	1.50	1.34	1.21
25 B 51	6BN8	1.50	1.34	1.21
25 B 51	6BQ5/EL84	1.20	1.06	.96
25 B 51	6BQ6GTB/6CU6	1.84	1.64	1.48
25 B 51	6BQ7A	1.69	1.50	1.35
25 B 51	6BU8	1.53	1.36	1.22
25 B 51	6BZ6	.95	.84	.76
25 B 51	6BZ7	1.69	1.50	1.35

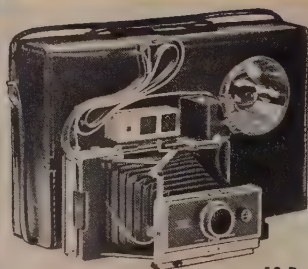
Dept. No.	Tube Type	EACH		
		1-9	10-49	50-Up
25 B 51	6C4	.88	.78	.70
25 B 51	6CB6A/6CF6	.95	.84	.76
25 B 51	6CD6GA	2.47	2.20	1.98
25 B 51	6CG7	1.06	.94	.85
25 B 51	6CGBA	1.47	1.30	1.17
25 B 51	6CL6	1.71	1.52	1.37
25 B 51	6CL8A	1.75	1.56	1.40
25 B 51	6CM7	1.24	1.10	.99
25 B 51	6CQ8	1.57	1.40	1.26
25 B 51	6CUS	1.21	1.08	.98
25 B 51	6CX8	1.92	1.70	1.53
25 B 51	6CW4	2.07	1.84	1.66
25 B 51	6CY5	1.62	1.44	1.30
25 B 51	6DE4	1.44	1.28	1.15
25 B 51	6DE6	1.08	.96	.86
25 B 51	6DK6	1.86	.94	.85
25 B 51	6DQ5	3.54	3.14	2.83
25 B 51	6DR7	1.93	1.72	1.55
25 B 51	6DT6A	1.02	.90	.81
25 B 51	6DWB	1.40	1.26	1.13
25 B 51	6EA7	2.34	2.08	1.88
25 B 51	6E8A	1.20	1.08	.97
25 B 51	6E8B	1.98	1.76	1.58
25 B 51	6EH7/EF183	1.73	1.54	1.39
25 B 51	6EJ7/EF184	1.60	1.42	1.28
25 B 51	6EM5	1.50	1.34	1.21
25 B 51	6EM7	2.20	1.96	1.76
25 B 51	6EV5	1.29	1.14	1.03
25 B 51	6EW6	1.06	.94	.85
25 B 51	6FG7	1.66	1.48	1.33
25 B 51	6FQ7/6CG7	.94	.84	.75
25 B 51	6GE5	1.73	1.54	1.39
25 B 51	6GF7A	2.19	1.94	1.74
25 B 51	6GH8A	1.28	1.15	1.03
25 B 51	6GK5	1.74	1.54	1.39
25 B 51	6GK6	1.35	1.20	1.08
25 B 51	6GM6	1.24	1.10	.99
25 B 51	6GN8	1.93	1.72	1.55
25 B 51	6GQ7	1.44	1.28	1.15
25 B 51	6GW6/6DQ6B	1.89	1.68	1.51
25 B 51	6GX6	1.17	1.04	.94
25 B 51	6GY6	1.17	1.04	.94
25 B 51	6HMS/6HA5	1.75	1.54	1.39
25 B 51	6HQ5	2.02	1.80	1.62
25 B 51	6HS8/6KF8	1.74	1.54	1.39
25 B 51	6HZ6	1.24	1.10	.99
25 B 51	6JA6	1.30	1.16	1.04
25 B 51	6JB6A	2.64	2.35	2.11
25 B 51	6JCA8	1.69	1.50	1.35
25 B 51	6JE6A	3.40	3.06	2.75

Dept. No.	Tube Type	EACH		
		1-9	10-49	50-Up
25 B 51	6JH6	1.10	.98	.88
25 B 51	6JH6A	1.10	.98	.88
25 B 51	6JH8	1.93	1.72	1.55
25 B 51	6JH6A	1.87	1.65	1.49
25 B 51	6J56A	3.29	2.93	2.64
25 B 51	6J78	1.80	1.60	1.44
25 B 51	6JU8A	1.57	1.40	1.26
25 B 51	6K6GT	1.21	1.08	.98
25 B 51	6KA8	1.92	1.70	1.53
25 B 51	6KM8	3.70	3.28	2.96
25 B 51	6KZ8	1.53	1.36	1.22
25 B 51	6L6GC	2.05	1.82	1.64
25 B 51	6LF8	1.75	1.54	1.39
25 B 51	6S4A	1.06	.94	.85
25 B 51	6SN7GTB	1.21	1.08	.98
25 B 51	6T8A	1.50	1.34	1.21
25 B 51	6U8A/6KD8	1.24	1.11	.99
25 B 51	6V6GT	1.08	.96	.86
25 B 51	6W6GT	1.33	1.18	1.06
25 B 51	6X4	.81	.72	.63
25 B 51	6X8A	1.42	1.26	1.13
25 B 51	7AU7	1.11	.98	.88
25 B 51	8AW8A	1.80	1.60	1.44
25 B 51	8FQ7/8CG7	.84	.76	.68
25 B 51	100E7	1.57	1.40	1.26
25 B 51	12A77/ECC81	1.29	1.14	1.03
25 B 51	12AU6	.90	.80	.72
25 B 51	12AU7A/ECC82	1.06	.94	.85
25 B 51	12AV6	.81	.72	.63
25 B 51	12AX4GTB	1.21	1.08	.98
25 B 51	12AX7A/ECC83	1.12	1.00	.90
25 B 51	12AZ7A	1.33	1.18	1.06
25 B 51	12BA4	1.44	1.28	1.15
25 B 51	12BA6	.81	.72	.63
25 B 51	12BE6	.88	.81	.73
25 B 51	12BH7A	1.30	1.16	1.04
25 B 51	12BY7A	1.44	1.28	1.15
25 B 51	12CU5/12C5	1.24	1.10	.99
25 B 51	12GW6/12DQ6B	1.82	1.70	1.53
25 B 51	12GN7A	1.75	1.56	1.40
25 B 51	17GW6A/17DQ6B	1.92	1.70	1.53
25 B 51	17JZ8	1.60	1.42	1.28
25 B 51	21GY5	1.20	1.06	.96
25 B 51	21JH8	2.58	2.30	2.07
25 B 51	35C5	.84	.84	.76
25 B 51	35W4	.57	.50	.45
25 B 51	35Z5GT	.88	.88	.79
25 B 51	50C5	.88	.88	.79
25 B 51	50EH5	1.03	.92	.83
25 B 51	50L6GT	1.29	1.14	1.03

Be Sure to Specify Dept. No. and Tube Type When Ordering

ALLIED 415

Cameras, Binoculars, Telescope—Late Additions



18-Pc.
Outfit



\$144⁸⁸
\$8 monthly

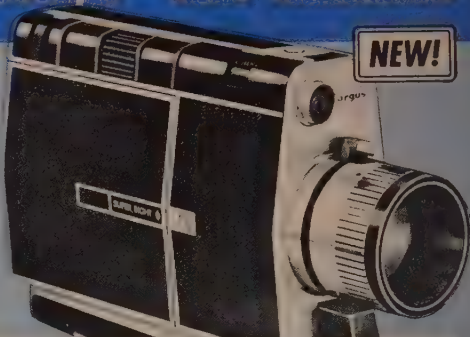
Polaroid 250 Color-Pack Outfit

Finest Automatic Color Pack Camera made. New Zeiss-Ikon range/viewfinder corrects for parallax, field size. Four exposure ranges, triplet lens with electric eye, electronic shutter. Includes: camera, case, flash, 3 B/W film packs, 12 flashbulbs.

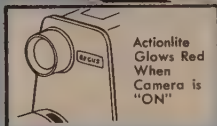
10 B 0009 L2S. Outfit, 8 lbs. \$8 Monthly . . . 144.88
10 B 4824 S. Camera Alone, 3 lbs. \$7 Monthly 129.88

POLAROID ACCESSORIES

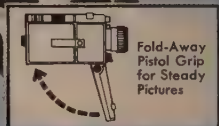
10 B 4859 S. Close-Up Kit. For 250 only. 6 oz. . . 10.95
10 B 4957 S. Wide Angle and Telephoto lenses, with viewfinder, leather case. 2 lbs. 32.50
10 B 4882 S. Carryall Case. Black vinyl. 2½ lbs. 10.95
10 B 4883 S. Development Timer. To 2 min. 4 oz. . 6.95
10 B 4884 S. Self-Timer. 4 oz. 4.95
10 B 4909 S. Flash Attachment. 1½ lbs. . . . 6.95
10 B 4903 S. M-3 Flashbulbs. 12 oz. Pkg. 12/1.49
10 B 4885 S. Cloud Filter. 7 oz. 4.95
10 B 4886 S. Cable Release. 4 oz. 1.95
10 B 4879 S. B/W Film. 8 exposures. 6 oz. . . 2.15
10 B 4880 S. Color Film. 8 exposures. 6 oz. . . 4.35



NEW!



Actionlite
Glowes Red
When
Camera is
"ON"



Fold-Away
Pistol Grip
for Steady
Pictures

Argus 822 Super 8 Power Zoom Camera

\$179⁹⁵

\$9 monthly

- Biased Behind-the-Lens CdS Electric Eye
- Focusing f/1.8 Zoom Lens with 4:1 Ratio

Perfect camera for home movies. ActionLite glows red when camera is on, just like a TV camera. Behind-the-lens CdS meter responds instantly to light changes. Power driven 4:1 f/1.8 focusing Zoom lens adds a professional touch to your movies. Drop-in film cartridge and power drive end winding and film handling. Remote control cord; built-in filter; slow motion; single-frame control. Lens cap, remote control cord, 4 batteries, 50' film.

10 B 4858 S. Shpg. wt., 7 lbs. \$9 Monthly 179.95
10 B 4932 S. Extra Kodak Super 8 Color Film Cart. 6 oz. . 3.15

Powerful Long-Range Binoculars

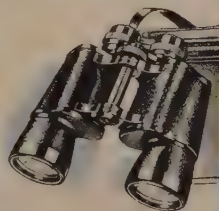
\$29⁹⁵

Covers 157'
Field at
1000 yds.

\$5 monthly

Center focusing, 20x50mm. Recommended for extreme distances—satellite tracking, birdwatching and long range hunting. Covers 157' field at 1000 yds. 6½" high. With case. Japan. 6 lbs.

10 B 4190 S. 29.95



10-to-30-Power Adjustable Telescope

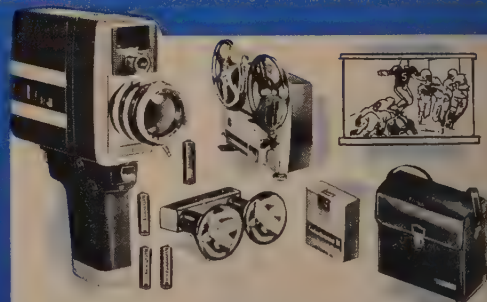


Leather
Case

\$9⁹⁵

Excellent for hunting, skywatching, birdwatching. Magnification adjustable to 10X, 15X, 20X, 25X, 30X. Smooth black barrel with chrome draw tubes. Lenses have protective coating. Extends to 16"; closes to 7". 30mm lens and 210mm focal length. 52-150' field at 1000 yds. With case. Japan.

10 B 4191 S. Shpg. wt., 3 lbs. 9.95



12-Pc. Super 8 Zoom Movie Outfit

\$119⁷⁹ Save **\$10.06**

\$6 monthly

Separately,
\$129.85

- Cartridge Loading
- Automatic Threading
- Electric Eye Exposure

Camera. Electric-eye exposure, f/1.8 manual 2:1 Zoom lens, built-in filter, battery film drive, grip. Projector. Has automatic threading, f/1.4 lens, swing line focus control and self-contained case. Bulb gives 500-watt brilliance. Accessory Pkg. Camera case, 30x40" tabletop screen, light bar, 2 bulbs, 4 batts., pkg. Super 8 film. From Japan. Shpg. wt., 23 lbs.

10 B 0019 L2U. Outfit. 119.79
10 B 4838 S. Zoom Camera Alone. 2 lbs. 54.95
10 B 4839 X. Projector Alone. 12 lbs. 59.95
10 B 0018 L2U. Accessory Pkg. Alone. 8 lbs. . . 14.95

Late Selections! Unique Solid-State Radios

Nordmende 5-Band Car/Portable

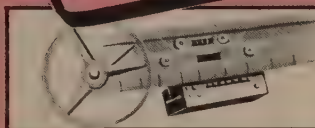
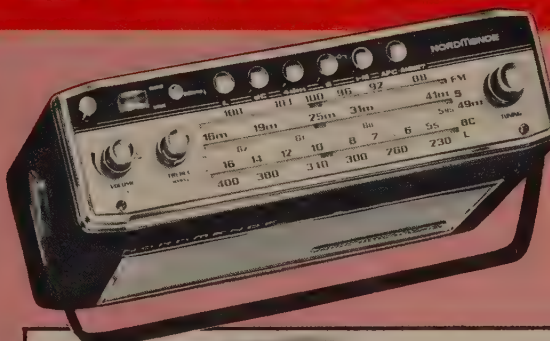
- FM, AM, LW, Two SW Bands
- 5x7" Speaker • Lighted Dial
- Bass and Treble Controls

\$109⁹⁵

\$6 monthly

Globetraveler Jr. Deluxe, versatile radio pulls in standard FM and AM bands, 230-400 kHz long-wave, 7.5-20 MHz international shortwave, and 5.95-6.25 MHz spread band international shortwave. AFC, AM bandwidth control, tone controls, 5x7" speaker, 4-watt peak push-pull power output, tuning/battery-test meter, telescoping and ferrite antennas, much more. 11 transistors, 11 diodes. Operates on 5 "D" batteries (below), 6 or 12-volt car battery (neg. or pos. ground), or 115 volts AC with adapter below. 3 $\frac{3}{4}$ x11 $\frac{1}{2}$ x8". With external antenna adapter. From West Germany. Shpg. wt., 7 lbs.

- 10 B 4351 X. \$6 Monthly. 109.95
 10 B 4352 X. Car Mtg. Bracket, Lock. 4 lbs. . . . 19.95
 10 B 4193 S. AC Adapter. 110/220 V. 1 $\frac{1}{4}$ lbs. 14.95
 18 B 5079. "D" Batteries. (Uses 5.) 10 oz. Pkg. 4/65c



Deluxe Car Radio
 Operates Automatically
 From Car Battery in
 Theftproof Bracket.

York Solid-State AM Clock-Radio with Snooze Button and Wood Cabinet

- Full 1-Watt Output and 5x3" Speaker for Rich Sound
- Telechron Clock With Lighted Dial
- Walnut Veneer Cabinet • Tone Control

Wakes you to music automatically — buzzes 10 minutes later if you're a stubborn sleeper. Eight-semiconductor circuit. Big 5x3" speaker and continuous tone control for excellent sound quality. Slide-rule dial for precision tuning. Accurate Telechron clock has snooze button and lighted dial. Handsome walnut veneer wood cabinet enhanced by brushed gold control panel and rich grille cloth. 6 $\frac{3}{8}$ x11 $\frac{3}{8}$ x4 $\frac{1}{8}$ ". For 117 Volts, 60 Hz AC. From Japan. Wt., 5 lbs.

- 10 B 4339 S. \$5 Monthly. 24.95

**Solid-State
 Clock-Radio**

\$24⁹⁵

\$5 monthly

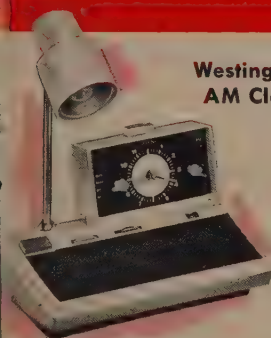


Westinghouse Solid-State AM Clock-Radio/Lamp

\$39⁹⁵

\$5 monthly

*It's a Lamp!
 It's a Clock!
 It's a Radio!*



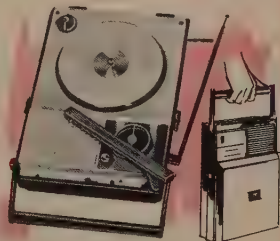
Compact FM-AM Radio-Phono

**AC Adapter
 Included**

\$39⁹⁵

\$5 monthly

- FM-AM Radio
- 3-Speed Phono
- Battery or
 AC Operation



Enjoy your favorite records, listen to FM or AM anywhere with this lightweight, versatile combination. Operates on batteries or from 117 volt AC with AC adapter, included. Plays at 45, 33-1/3 and 78-rpm speeds. Has ten-transistor circuit. Constant-speed phono motor. Single needle "pop-up" metal pickup arm. Full-toned 4" speaker. High-impact plastic case. Size, 8x11x3 $\frac{3}{8}$ ". With 6 "C" batteries, FM antenna, AC adapter. Japan. 5 $\frac{1}{4}$ lbs.

- 10 B 0066 L2X. \$5 Monthly. 39.95
 10 B 0065 L2X. Above, AM Only. 6 transistors, AC adapter included. Shpg. wt., 5 $\frac{1}{4}$ lbs. 29.95
 18 B 5078. Extra "C" Batteries. 6 oz. Pkg. 2/33c

Unusual combination of quality solid-state AM radio, precision automatic clock, and adjustable, cool-to-the-touch 40-watt lamp! Ideal for bedroom. Radio plays instantly with excellent tone. Clock lets radio lull you to sleep, turns radio off, wakes you to radio or buzzer alarm. You can tap the Doze Button for extra ten minute naps. Softly-lighted dial. Lamp's glare-free light is perfect for reading in bed. Telescoping, chrome-plated arm swivels 360°. Attractive ivory and beige plastic cabinet, midnight-blue grille. Size, 5 $\frac{1}{2}$ x9 $\frac{1}{2}$ x6 $\frac{1}{2}$ ". U.L. Listed. For 105-125 volts, 60 Hz AC. 4 $\frac{1}{2}$ lbs.

- 10 B 4237 X. \$5 Monthly. 39.95

Allied 4-Speed Automatic Stereo Record Changers

Never Priced Lower

\$29⁸⁸
less
base

\$5
monthly



Deluxe Features of the KN-990A



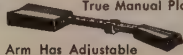
High-Torque
4-Pole Motor



Plug-In Head
Takes Popular
Cartridges



Disengages for
True Manual Play



Arm Has Adjustable
Needle Pressure

Allied's Own Knight KN-990A 4-Speed Automatic Stereo Record Changer

Never priced lower! One of America's most popular record changers—thousands have been sold at higher prices—now a *sensational* value! It's ideal for starting a stereo hi-fi system, or adding a dramatic improvement to your present system. Offers features and performance of changers costing much more. Big 11" diameter table and 4-pole high-torque motor drive records at exact speeds of 16-2/3, 33-1/3, 45 or 78 rpm. Lightweight, professional-type tubular pickup arm tracks with unerring accuracy. Integral needle pressure and balance gauge adjustment is calibrated from 0-5 grams to allow precise setting of tracking force. Lever-action disengagement of pickup arm permits true manual operation. Soft rubber turntable mat offers complete protection of your records. Mixes all 7, 10, or 12" records of the same speed, shuts off automatically when last record is played.

Attractive low silhouette styling gives a true professional appearance. Handsome gray finish, brushed chrome trim. Plug-in head accepts most popular stereo cartridges. Only 14x12"; requires 3 1/2" below, 5" above mounting board. Includes template, audio cables and instructions. Order automatic 45-rpm spindle, oiled walnut base or mounting board below. For operation from 110-120 volts, 60 Hz AC. Shpg. wt., 12 lbs.

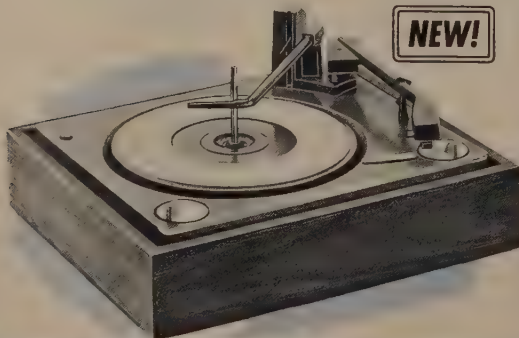
14 B 5458 X. \$5 Monthly. 29.88

14 B 5462. 45-rpm Spindle. For automatically playing 45-rpm records. Shpg. wt., 10 oz. 1.69

14 B 5457 X. Wood Changer Base. Handsome walnut finish. Shpg. wt., 3 lbs. 4.95

14 B 5609 X. Ready-to-Finish Mounting Board. 1 1/2 lbs. 1.95

Allied's Own Model 466 4-Speed Automatic Stereo Record Changer with Cartridge



\$19⁹⁵
less
base

\$5
monthly

Stereo Ceramic
Cartridge, Dual
Synthetic-Sapphire
Needles

Reliable low-cost 4-speed stereo record changer. Features automatic playing of 7, 10, or 12" records at 16-2/3, 33-1/3, 45 or 78 rpm. Mixes records of the same speed, shuts off after last record is played. Lightweight pickup arm and ceramic stereo cartridge combine to give excellent tracking and good stereo channel separation. Cartridge has dual synthetic-sapphire needles. 9" table. 13 1/2 x 11 1/4"; requires 3 3/8" above, 2 1/4" below mounting board. With stereo ceramic cartridge, audio cables. Order 45-rpm spindle, walnut-finished base below. For 110-130 volts, 60 Hz AC. From England. Shpg. wt., 9 1/4 lbs.

14 B 5456 X. \$5 Monthly. 19.95

14 B 5454. 45-rpm Spindle. Wt., 10 oz. 1.69

14 B 5451 X. Walnut Finished Base. Wt., 3 lbs. 4.95

Late Releases—Tape Equipment and CB Gear

New Roberts 1719 Solid-State Stereo Tape Recorder

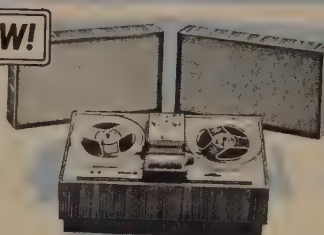
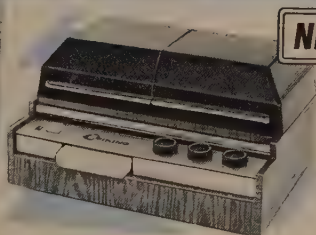
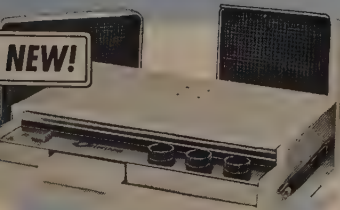
- Two Self-Contained Speakers
- Separate Controls for Each Channel
- 10 Watts Peak Music Power per Channel
- Stereo Equalized Preamp Outputs

\$179⁹⁵

\$9 monthly

Compact stereo recorder records and plays 4-track stereo or mono at $3\frac{3}{4}$ and $7\frac{1}{2}$ ips. Solid-state circuit with 10-watts peak music power per channel and two built-in speakers for stereo playback. Separate volume and tone controls for each channel. Digital counter; twin VU meters. Sound-with-sound. Automatic shut-off. Source monitoring. Response, 40-15,000 Hz at $7\frac{1}{2}$ ips. Wow and Flutter, 0.25% at $7\frac{1}{2}$ ips. Inputs: 2 mike, 2 radio/phone. Outputs: Equalized preamp, external speakers, stereo headphone. Pyroxylin covered case, $15\frac{1}{2} \times 14\frac{1}{2} \times 9"$. With one mike, 7" takeup reel. For 115 volts, 60 Hz AC. Shpg. wt., 30 lbs.

15 B 7384. \$9 Monthly 179.95



Viking 811P Cartridge Player

Portable 8-Track
Player with Speakers

\$169⁵⁰

\$7 monthly

Portable solid-state stereo cartridge player for standard 8-track stereo cartridges. Volume, tone, balance and track selector controls. Track indicator. Five watts per channel. Response, 50-12,000 Hz. Headphone jack. Durable wolf-grain finish cabinet with detachable speakers, $8\frac{1}{2} \times 15\frac{1}{4} \times 11"$. Carrying handle. For 110-120 V., 60 Hz AC. Shpg. wt., 14 lbs.

15 B 7200. \$7 Monthly 169.50

Viking 811W Cartridge Player

Table-Top Player with
Detachable Speakers

\$169⁵⁰

\$7 monthly

Handsome table-top player for 8-track stereo cartridges. Solid-state amplifier delivers 5 watts power per channel, and detachable speakers separate up to 12 feet for superb stereo reproduction. Response, 50-12,000 Hz. Plays automatically, or change tracks manually. Track indicator. Walnut-finish cabinet, $8\frac{1}{2} \times 15\frac{1}{4} \times 11"$. 110-120 V, 60 Hz AC. 14 lbs.

15 B 7150. \$7 Monthly 169.50

Wollensak 5725 Stereo Recorder

Deluxe Recorder Ensemble
in Walnut Cabinets

\$229⁰⁰

\$12 monthly

Records and plays 4-track stereo or mono at $7\frac{1}{2}$, $3\frac{3}{4}$ and $1\frac{1}{2}$ ips. Wide-range speakers. Pause control, tape lifters, self-adjusting brakes, head demagnetization, counter, automatic shut-off, monitor, tone controls, reel locks. 40-17,000 Hz at $7\frac{1}{2}$ ips. Recorder, $18 \times 14 \times 9"$; speakers, $17 \times 16 \times 10"$. With 1 mike, 7" takeup reel. 115 V, 60 Hz AC. 48 lbs.

15 B 0042 L2U. \$12 Monthly 229.00

New Shakespear Mobile CB Antenna

345 "Perfect 36"
Roof-Top Antenna

\$14⁹⁵

NEW!

High-performance 36" fiberglass roof-top mobile CB antenna offers lasting durability. Fiberglass assures extreme flexibility—retains shape even after repeated impacts. 1.2:1 mid-band SWR. Cannot corrode. Easy $\frac{3}{4}"$ mtg. With 15' coax, PL-259 conn.

17 B 8685 X. Wt., $1\frac{1}{2}$ lbs. 14.95

Shakespear 10-3 $\frac{1}{4}$ -Wave CB Antenna. (Not illus.) Dielectric loading packs full quarter-wave efficiency in just 96". Fiberglass sheath won't rust or corrode. Stands erect at road speeds. Chrome-plated brass ferrule with standard $\frac{3}{8}"$ -24 thread. Wt., $1\frac{1}{2}$ lbs.

17 B 8690 ZW 7.69



New Johnson Messenger 110 Solid-State 2-Way Radio

- Speech Compression for Greater Range
- Noise Limiter Reduces Ignition Noise

\$99⁹⁵

\$5 monthly

New solid-state 5-channel CB transceiver boasts famous Johnson reliability at a new low cost. Highly sensitive receiver features built-in noise limiter and adjustable squelch. Transmitter has full 5-watt input, speech compression for greater range. $2\frac{1}{2} \times 6\frac{1}{2} \times 8\frac{3}{4}"$. PTT mike. For 12 VDC. With Crystals for Ch. 9 (for extra crystals, see p. 164). 8 lbs.

17 B 6490 X. \$5 Monthly 99.95

17 B 6951 X. 117 VAC Power Supply. Wt., 4 lbs. 32.95

USE THESE SPECIAL BONUS
COUPONS TO SAVE MORE
WITH YOUR ORDER FOR ANY

knight-kit

**Special Bonus Coupons—Now You Can
Save on Top-Quality Kit-Building Tools
When You Buy *knight-kits***

SEE PAGES 244, 245, 420 TO 516, INSIDE BACK COVER



Special
Price
\$149

Ungar

with your kit order

**Special Bonus Coupon Saves You \$1.07 on Soldering Iron
With Your Purchase of Any *knight-kit***

Ungar Model 7913 Soldering Iron

Regularly \$2.56. Slender 27-watt pencil for printed circuit, miniature and subminiature work as well as all general soldering applications. Just right for soldering connections in any of the Knight-Kits featured in this catalog. Chisel tip develops 750-800°F. temperature quickly. U.L. Listed. For 110 volts, 60 Hz A.C. Include this special coupon with your Knight-Kit order, and specify Stock No. 22 B 3066 W on order blank. Shpg. wt., 6 oz.



CLIP COUPON AND SEND IN WITH YOUR KNIGHT-KIT ORDER



WEN



Special Price

with your
kit order

\$248

Wen Model 75 Soldering Iron

Regularly \$3.64. The easy and comfortable way to solder connections in your Knight-Kit. Features automatic thermal regulation that draws from 30 to 50 watts, depending on the job. Has built-in, pre-focused spotlight for maximum visibility. U.L. and C.S.A. Listed. Include this coupon with your Knight-Kit order, and just specify Stock No. 22 B 3076 W on your order blank. Shpg. wt., 1¼ lbs.



CLIP COUPON AND SEND IN WITH YOUR KNIGHT-KIT ORDER



**Special Bonus Coupon Saves You \$2.00 on Tool Kit
With Your Purchase of Any *knight-kit***

Special
Price **\$439** with your
kit order

Handy Knight-Kit Tool Kit



Regularly \$6.39. All the tools needed to assemble a Knight-Kit. Kit includes the following: Ungar pencil-type soldering iron with 27-watt "taper-tip." Ideal for printed circuit work; 7¼" long, U.L. Listed. 6¼" longnose pliers, and 5" diagonal cutting pliers. Both drop-forged from high-grade tool steel with cushion grips. Pliers polished and lacquered with induction-hardened cutting edges. Two screwdrivers, one 3½" and one 4½". Both have rustproof nickel-plate finish and unbreakable insulated handles. Send this coupon with your Knight-Kit order, and specify Stock No. 22 B 3057 W. Shpg. wt., 1½ lbs.



CLIP COUPON AND SEND IN WITH YOUR KNIGHT-KIT ORDER

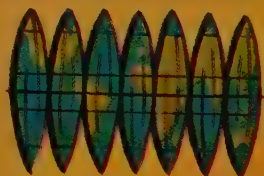


knight-kit®

1968 CATALOG



The Newest and Best
In Money-Saving,
Exciting-to-Build
Electronic Equipment



SEE THE
WONDERFUL WORLD
OF
knight-kits

NEXT 96 PAGES



Specialists in Electronic Kits For Over 45 Years



knight-kit

STEREO HI-FI

DELUXE FEATURES OF NEW KG-980 RECEIVER



Speaker
Muting Switch



Tape Monitor
Switch

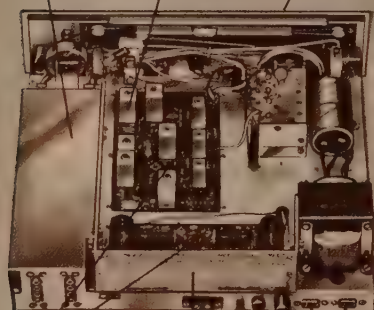


Precision
Tuning Meter

Completely-Shielded
Preamp to Prevent
"Hum" Pickup

Heavy-Gauge
Extruded Aluminum
Front Panel

FM Front End and IF
Sections Factory-
Assembled and Aligned



Easy-to-Assemble
Printed Circuit Boards

Two AC Outlets for Recorder
or Other Components

Massive Aluminum Heat Sink
Keeps Power Transistors Cool

New KG-980 50-Watt Solid-State Stereo FM Receiver Kit

BOASTS ALL SILICON TRANSISTORS

Knight-Kit's
Lowest Priced
FM Receiver

\$149⁹⁵
less
case

\$8
monthly

- Unique Amplifier Circuit Design Eliminates Driver and Output Transformers for Extra-Wide Power Bandwidth and Response
- Front Panel Stereo Headphone Jack and Speaker Muting Switch
- Positive-Action Rocker Switches • Low-Noise Preamp Transistors
- Tuner Circuit has Two RF Stages for Superior Image Rejection
- Full Controls Including Tape Monitor • 50-Watt IHF Output
- Heavy-Gauge Extruded Aluminum Front Panel with Walnut Finish

Newest and lowest priced stereo FM receiver from Knight-Kit is packed with quality features usually found only in far more expensive receivers. Uses only premium-quality *silicon* transistors for greatest stability and sound clarity. Receives stereo FM, monaural FM and has complete control facilities for phono and tape. Advanced Complementary Symmetry amplifier design eliminates driver and output transformers for amazingly low harmonic distortion, a much wider power bandwidth and more efficient operation. Amplifier delivers full rated power output from 20 to 20,000 Hz; frequency response is within 1 dB from 18 to 30,000 Hz.

Preamplifier section boasts specially-selected low-noise transistors to prevent noise in low-level input circuits. There is virtually no hum or distortion to mar your listening pleasure. Preamp provides precise RIAA equalization for magnetic phono cartridges. Tuner boasts a four-stage front-end, including two RF stages, for excellent reception even in fringe areas. RF and IF circuits are factory-assembled and aligned for fast, easy assembly and spec-meeting performance. Wideband circuits deliver full range response. Automatic stereo switching—circuit automatically switches to stereo mode and indicator light goes on when a stereo broadcast is received. Tuning meter, full-length edge-lit dial, and weighted fly-wheel make tuning easy.

Convenient front panel stereo headphone jack for listening to stereo without disturbing others. Controls include ganged bass, treble, and volume, plus balance for best stereo listening from any position in the room. Separate on-off switch lets you turn unit off without disturbing other control settings. Switches are positive-action rocker types. Full array of inputs including magnetic phono, tape monitor, and auxiliary (ceramic phono). Outputs for tape recorder, headphones, and speakers. Two AC outlets. FM dipole. Size, 4x16x13½" deep. For 110-130 V, 60 Hz AC. With all parts, solder, instructions. Order case below. Wt., 17 lbs.

22 B 3705 UW, \$8 Monthly	149.95
22 B 3714 W, Oiled Walnut Wood Case. Shpg. wt., 7 lbs.	19.95
22 B 3241 W, Knight Outdoor FM Antenna Kit. 8 lbs.	6.95

KG-980 SPECIFICATIONS

TUNER CIRCUIT

Usable IHF Sensitivity: 3 microvolts
Frequency Response: ± 1 dB, 30 to 15,000 Hz
Harmonic Distortion: less than 1.0%
Hum and Noise: -50 dB
Tuning Range: 88 through 108 MHz
Capture Ratio: 3 dB
IF Rejection: more than 80 dB
Image Rejection: more than 80 dB
AM Suppression: more than 30 dB
Stereo FM Channel Separation: 30 dB

AMPLIFIER CIRCUIT

Power Output: 50 watts IHF (25 watts per channel); 34 watts continuous sine wave at 8 ohms.
Frequency Response: ± 1 dB, 18 to 30,000 Hz
Power Bandwidth: 20-20,000 Hz at 1% harmonic distortion
Hum and Noise: Aux. input, -65 dB; Mag. Phono, -60 dB
Channel Separation: more than 50 dB
Outputs: 4 to 16 ohms for speakers; stereo headphones; recorder
Damping Factor: 50
Intermodulation Distortion: less than 1% at 60 Hz and 7000 Hz mixed 4:1 at rated power



NEW KG-980 STEREO FM RECEIVER KIT

Outstanding features designed to please the discerning listener . . all silicon premium-quality transistors, two tuned RF stages, transformerless driver and output circuits . . and much, much more

\$149⁹⁵
less case

\$8
monthly

ENJOY THE PLEASURE OF BUILDING YOUR OWN *knight-kit*

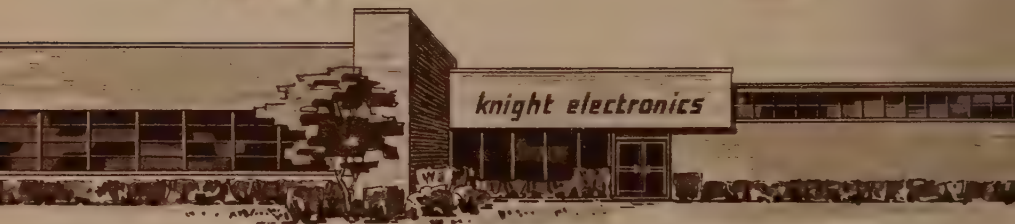
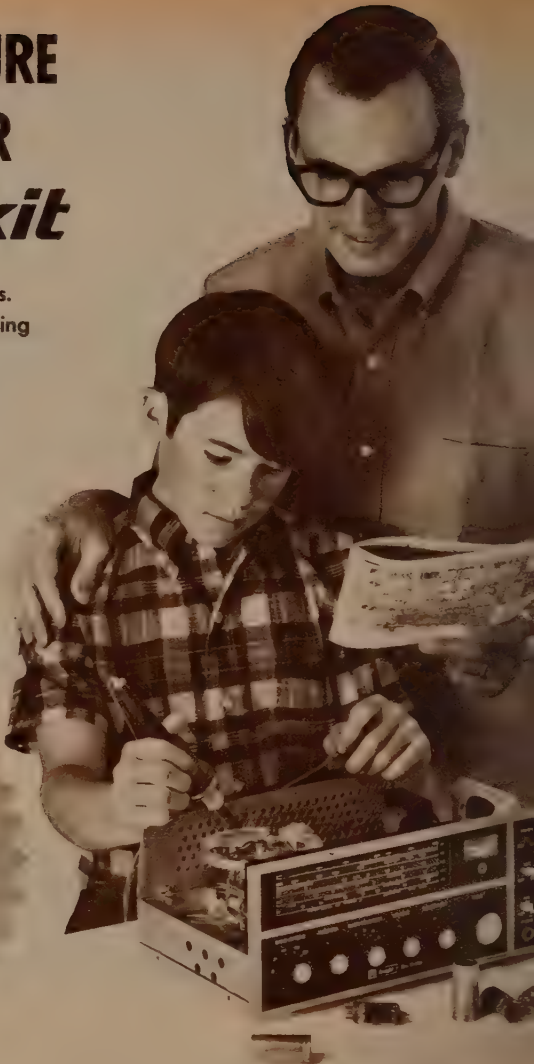
It's one of the world's most exciting hobbies.
Easy to assemble, you get hours of fascinating
fun . . . and you become the owner of a
valuable handcrafted electronic component

IMPORTANT!

You can buy and build Knight-Kits with
complete confidence under this unique
money-back guarantee . . . exclusive in
the electronics industry

GUARANTEE

Build a Knight-Kit in
Accordance with Our Easy-to-
Follow Instructions. When You
Have Completely Assembled the
Kit, You Must Be Satisfied or
We Will Return Your Money,
Less Transportation Charges,
Under the Allied Guarantee
of Satisfaction.



**DIRECT FROM
OUR FACTORY
TO YOU**

Knight-Kits are a product of Knight Electronics Corporation, manufacturing subsidiary of Allied Radio. Knight Electronics is housed in a spacious, modern plant, staffed by the finest engineering talent, efficient production personnel, and skilled instruction-manual writers. Knight-Kits are designed so you can assemble them easily and quickly to get professional performance and maximum value.

knight-kit . . the World's finest Electronic Equipment in Kit Form

knight-kits . . ACCLAIMED BY THE EXPERTS

KG-415 Stereo Tape Deck Kit

"The KG-415 worked flawlessly producing recordings which . . . could not be distinguished from the original FM program . . . one of today's best values in tape recorders."

HI FI STEREO REVIEW

Safari® 15-Watt CB Transceiver Kit

" . . Safari I actually delivers all the performance built into it . . . claims are pessimistic, and our test unit actually outperformed the specs."

ELEMENTARY ELECTRONICS

KG-221A VHF-FM Receiver Kit

" . . sensitive enough to pick up traffic several miles away just using an ordinary TV 'rabbit ears' antenna . . . well worth the price."

POPULAR ELECTRONICS

KG-685 Color Bar/Pattern Kit

"Considering the number and nature of the output test signals . . . the KG-685 . . . in kit form, ranks as first choice in color bar generators."

RADIO-TV EXPERIMENTER

KG-375 Auto Analyzer Kit

" . . Enables anyone to make his own tuneups . . . do his own trouble-shooting with time-saving, money-saving ease . . ."

SCIENCE AND MECHANICS

KG-895 Stereo Amplifier Kit

"It was with trepidation that we put the KG-895 through listening and measurement tests. Happily, our ears and test instruments confirmed what our eyes had suspected."

RADIO-ELECTRONICS

knight-kits **FIRST** Where It Counts

1st

IN ENGINEERING

Knight-Kit's engineers bring you the latest in electronic state-of-the-art features. Their know-how in kit design assures that you will be a successful kit builder the very first time.

1st

IN QUALITY OF PARTS

An electronic kit is only as good as the engineering and parts that go into it. We spare no effort to bring you the best engineering and highest quality parts, too.

1st

IN "HOW TO BUILD" MANUALS

Recognized by kit builders as the best in the industry, a fact you will discover for yourself when you build your first Knight-Kit.

knight-kits . . Easiest To Build

- 1 EASY-TO-FOLLOW** step-by-step instructions and giant picture diagrams guide your every move. Regular schematic diagram included, too.
- 2 PRE-CUT WIRE** is furnished in the exact lengths required, and stripped, ready for instant use. As an added convenience, all wire lengths are color-coded.
- 3 CARDED COMPONENTS**—resistors, diodes and small capacitors are given an identifying number, and mounted on cards. You just remove each part, as you need it, listed by number in the assembly manual.
- 4 SEE-THROUGH PACKAGES** for small parts and hardware speed assembly by eliminating searching. Parts are pre-sorted, too.



knight-kit

STEREO HI-FI



Build Your Own Stereo Tape Deck

With Factory-Assembled
Viking Tape Transport
and Solid-State
Record-Play Preamps

\$269⁹⁵
less
case

\$14 monthly

Here's What the Experts
Say About the KG-415..

"The Knight KG-415 is, without a doubt, one of today's best values in tape recorders."

Hi-Fi/Stereo Review

"The whole KG-415... is an impressive piece of hardware. The instructions are masterful... a superb value..."

Radio-Electronics



PROFESSIONAL FEATURES OF THE KG-415



Six Printed Circuit Board
Modules for Easy Assembly



Three 4-Track
Hyperbolic Heads



Two Record/Play
VU Level Meters



Cue Control
for Editing



Automatic
Shutoff



Digital Counter for
Indexing Tapes

KG-415 Stereo Tape Deck Kit and Outfits

Stereo Tape Deck Kit Featuring Preassembled Viking Transport

\$269⁹⁵
less
case

\$14 monthly

- Three Heads for Monitoring, Sound-on-Sound, Echo
- Stereo Headphone Amplifier
- Bias Test Oscillator

The KG-415 offers everything you need in a 4-track stereo deck at a price far below professional decks with comparable performance. Three 4-track hyperbolic heads permit tape monitoring, sound-on-sound, and echo. Exclusive stereo headphone amplifier module lets you plug low-impedance headphones directly into deck for monitoring or on-the-spot listening. Mike and auxiliary mixing.

Built-in bias test oscillator. Separate solid-state record and play preamps. Switch selects left or right channel individually for mono recording and playback or both channels together for stereo. Selection indicated in one of six illuminated windows. Head cover flips up for editing and cleaning.

Automatic end-of-reel shutoff. Single-knob tape motion control. All you assemble are the solid-state modular circuits. Preassembled Viking transport is specially built to Knight-Kit specifications. Precision capstan motor with flutter-filter belt drive, separate takeup motor. Push-to-reset digital counter for cuing. Speeds: $7\frac{1}{2}$ and $3\frac{3}{4}$ ips. Order accessories below. 30 lbs.

22 B 3788 ZW. \$14 Monthly..... 269.95

KG-415 SPECIFICATIONS

Overall Record/Play Frequency Response: ± 2 dB, 50-18,000 Hz at $7\frac{1}{2}$ ips; ± 2 dB, 50-14,000 Hz at $3\frac{3}{4}$ ips. **Flutter/Wow:** less than 0.2% rms at $7\frac{1}{2}$ ips. **Signal-to-Noise Ratio:** 50 dB or better. **Harmonic Distortion:** less than 1.5% at "0" VU. **Fast-Forward Time:** 1200 ft. in 60 seconds. **Rewind Time:** 1200 ft. in 90 seconds. **Max. Reel Size:** 7 inch. **Solid-State Modular Circuit:** 17 transistors, 6 diodes. **Equalization:** $7\frac{1}{2}$ ips, NAB; $3\frac{3}{4}$ ips, EIA. **Input Impedances:** Mike, 3000 ohms; Line, 50,000 ohms. **Input Sensitivity:** Mike, 1.5 mV for "0" VU; Line, 100 mV for "0" VU. **Output Impedances:** Playback, 250 ohms; Source, 1000 ohms; Monitor Playback, 250 ohms. **Monitor Output:** modular amplifier drives low-Z stereo headphones. **Bias/Erase Frequency:** 80 kHz. **1-kHz Test Oscillator:** for adjustment of bias and erase voltages. **Size:** $14\frac{1}{2} \times 14 \times 8\frac{1}{2}$ " deep behind panel; $9\frac{3}{4}$ " depth overall. **Motors:** Capstan motor with flutter-filter belt drive, plus takeup motor with positive braking for 0.2-second starts and stops. **Power Requirement:** 110-130 V, 60 Hz AC.

KG-415 ACCESSORIES

Oiled Walnut Wood Case. Excellent for shelf or table-top use. Shpg. wt., 9 lbs.

22 B 3003 W. \$5 Monthly..... 19.95

Portable Carrying Case. Holds KG-415 deck, plus 2 mikes, tape, takeup reel, cables. Black with aluminum trim. $15\frac{1}{2} \times 16 \times 11\frac{1}{8}$ ". Shpg. wt., 18 lbs.

22 B 3006 W. \$5 Monthly..... 29.95

KN-4520B Dynamic Mike. With desk stand, lavalier, mike stand adapter. On/off switch. Use two for stereo. From Japan. Shpg. wt., 2 lbs.

22 B 3366 W..... Each 9.95

Switchcraft 503 Solid-State Mike Preamp. Matches hi-impedance mikes to KG-415. 40K or 2K input, 2K output. 4 to 28 dB gain. With battery. 4 oz.

12 B 7052..... 9.69



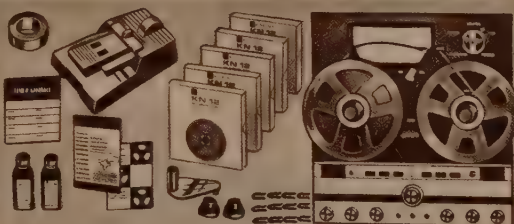
Complete KG-415 "On-Location" Outfit

\$339⁰⁰

\$16 monthly

Lets you make professional-quality tapes on-the-spot, then immediately play them back, in stereo, through the headphones. Includes: KG-415 Tape Deck Kit; Deluxe Portable Carrying Case; Knight KN-876 Stereo Headphones; two Dynamic Mikes with Desk Stands, Floor Stand Adapters and Lavalier Cord Assemblies. Mikes from Japan. 53 lbs.

22 B 0122 L5UW. \$16 Monthly..... 339.00



Deluxe KG-415 Recording Outfit

\$288⁰⁰

\$15 monthly

Excellent for use in a custom installation. Includes: KG-415 Tape Deck Kit; Five 7-in. Reels of Knight KN-12 1 1/2 mil "Mylar" Recording Tape; Robins TK-8DLX Tape Accessory Kit containing a TS-8D "Stereo 4" Splicer, roll of 1/2" splicing tape, Tape Threader, Head Cleaner, Head Lubricant, Tape Jockey Cloth, Tape Clips, Reel Title Labels, Reel Holders, and Tape Editing and Splicing Booklet. 40 lbs.

22 B 0270 L3UW. \$15 Monthly..... 288.00

KG-415 Recording Outfit With Two Microphones and Deluxe Walnut Case



\$309⁰⁰

\$15 monthly

Excellent for desk or table-top use. Outfit includes: KG-415 Tape Deck Kit; two KN-4520B Dynamic Mikes with Desk Stands, Floor Stand Adapters and Lavalier Cord Assemblies; Oiled Walnut Wood Case. Microphones from Japan. Shpg. wt., 43 lbs.

22 B 0271 L4UW. \$15 Monthly..... 309.00



knight-kit

STEREO HI-FI



New KG-865 50-Watt Stereo Amplifier Kit

YEARS-AHEAD ENGINEERING WITH ALL SILICON TRANSISTORS

\$69⁹⁵
less
case
\$5 monthly

DELUXE FEATURES

- All Silicon Transistors for Stability, Cleaner Sound
- Extremely Wide Power Bandwidth and Frequency Response
- 50-Watt IHF Power Output
- Specially Selected Low-Noise Preamp Transistors
- Two Printed Circuit Boards For Fast, Easy Assembly
- Convenient Front-Panel Stereo Headphone Jack
- Walnut-Finished Extruded Aluminum Front Panel
- Two AC Convenience Outlets

Knight-Kit's newest solid-state amplifier brings you the latest in engineering, sophisticated stereo and distinctive styling at a price far below what you would expect to pay for an amplifier with all these features. Only the highest quality *silicon* transistors are used for finest performance.

Boasts exceptionally wide frequency response and power bandwidth thanks to unique Complementary Symmetry Circuit that eliminates all output and driver transformers. Delivers full rated power from 20 to 20,000 Hz. Frequency response is within 1 dB from 18 to 30,000 Hz. Has 22 premium semiconductors, including special preamplifier transistors that reduce noise to the vanishing point.

Full array of controls for both stereo and monaural functions. Separate on-off switch—volume control settings need not be disturbed. Ganged volume, bass, and treble controls. Front-panel stereo headphone jack and speaker muting switch. Heavy-gauge extruded aluminum front panel. Inputs for magnetic cartridge, tuner, and auxiliary. Two AC outlets on rear of chassis. Size, 3 $\frac{3}{4}$ x 13 x 10". With all parts, solder, instructions. Order case below. Shpg. wt., 10 lbs.

22 B 3700 W. \$5 Monthly. **69.95**
22 B 3713 W. Oiled Walnut Wood Case. Shpg. wt., 6 lbs. **14.95**

KG-865 SPECIFICATIONS

Output: 50 watts IHF, 25 watts per channel; 34 watts continuous sine wave. *Response:* ± 1 dB, 18 to 30,000 Hz. *Power Bandwidth:* 20 to 20,000 Hz at 1% harmonic distortion. *Hum and Noise:* Tuner and Aux. inputs, -65 dB; Magnetic Phono, -60 dB. *Channel Separation:* over 50 dB. *Output Impedances:* 4 through 16 ohms; plus stereo headphones. *Damping Factor:* 50. *IM Distortion:* under 1% at 60 Hz and 7000 Hz mixed 4:1 at rated power. *Input Sensitivity:* Mag. Phono, 5 millivolts; Tuner and Aux., 400 millivolts. *Power Requirement:* 110-130 volts, 60 Hz AC.



New Knight-Kit KG-795 Stereo FM Tuner Kit

FEATURES ALL SILICON TRANSISTORS FOR GREATEST STABILITY

This deluxe-quality, all-silicon-transistor stereo FM tuner kit is priced remarkably low, yet it actually outperforms many factory assembled tuners selling for much more. All *Silicon* transistors offer the best in stability and high-fidelity performance. You hear stereo FM in all its brilliance and realism. Thanks to advanced engineering we can offer this outstanding kit at a very low price. In addition, you have the satisfaction of building a fine hi-fi component yourself. Compatible with tube-type and germanium-transistor amplifiers, too.

Assembly is remarkably easy, aided by a large printed circuit board and factory-assembled-and-aligned RF and IF circuits. Boasts two tuned RF stages for excellent image-rejection and sensitivity. Precision tuning meter and edge-lit tuning dial make station-finding a cinch. Stereo indicator lights-up and circuit automatically switches to stereo mode when a stereo program is tuned in.

Heavy-gauge extruded aluminum front panel has the appearance of an expensive factory-built tuner. Effortless flywheel tuning. Balanced 300-ohm antenna input. $3\frac{1}{2} \times 13 \times 10$ " deep. With FM dipole, all parts, pre-cut wire, solder, and step-by-step instructions. Order case below. Shpg. wt., 7 lbs.

22 B 3701 W. \$5 Monthly. 69.95
22 B 3713 W. Oiled Walnut Wood Case. Shpg. wt., 6 lbs. 14.95

KG-795 SPECIFICATIONS

Usable IHF Sensitivity: 3 microvolts. Frequency Response: ± 1 dB, 30 to 15,000 Hz. Harmonic Distortion: less than 1.0%. Hum and Noise: -50 dB. Tuning Range: 88 to 108 MHz. Capture Ratio: 3 dB. IF Rejection: more than 80 dB. Image Rejection: greater than 80 dB. AM Suppression: greater than 30 dB. Output Voltage: .5 volt with 1000 microvolts input signal, 100% modulated at 400 Hz. Channel Separation: 30 dB or more at 1 kHz. SCA Rejection: 35 dB or more. Antenna: 300-ohm input. Power Requirement: 110-130 volts, 60 Hz AC.

\$69⁹⁵
less
case
\$5 monthly

DELUXE FEATURES

- All Silicon Transistors
- Two Tuned RF Stages for Best Image Rejection
- Automatic Stereo Switching
- RF and IF Stages Factory Assembled for Easiest Kit Assembly
- Wideband Circuits for Full-Range Response
- Stylish Heavy-Gauge Extruded Aluminum Panel
- Precision Tuning Indicator
- Edge-Lit Tuning Dial
- Stereo Indicator Light
- 25 Premium Semiconductors

Quality and Value . . Knight-Kit's Pledge to You

ALLIED 429

Our Best-Selling Amplifier and Tuner Kits

A KG-870 Solid-State 70-Watt Stereo Amplifier Kit

\$99⁹⁵
less
case

\$5
monthly

- Twenty-Six Premium Semiconductors
- Five Pairs of Stereo Inputs
- No Output Transformers or DC Blocking Capacitors to Compromise Tonal Beauty
- Modular Circuit Has Plug-In Transistor Sockets for Fast and Easy Assembly

Continuing to top our "best seller" list, the KG-870 enjoys enthusiastic praise from owners and music critics alike for the quality of its stereo reproduction. There's just no other stereo amplifier equal to it at this modest price—performs on a par with amplifiers selling for much more.

Twenty-six semiconductors offer high-fidelity stereo free of coloration and distortion. Truly a full-feature amplifier capable of delivering powerful bass and clean treble, even with low-efficiency speaker systems.

Circuit develops a powerful 70-watt IHF (140 watts peak) power output. There are no output transformers or DC blocking capacitors in the output stage to compromise tonal beauty. Boasting specially designed modular circuits and plug-in transistor sockets, this amplifier can be assembled in just a few evenings.

KG-870 AMPLIFIER SPECIFICATIONS

Rated Power Output: 70 watts IHF (35 watts per channel); 140 watts peak;

28 watts per channel continuous sine wave. For 8- and 16-ohm speakers.

Frequency Response: ± 1 dB, 20 to 25,000 Hz at full rated power.

Distortion: Harmonic, 0.5%; IM, less than 1%; measured at rated power.

Hum Level: Tuner, -80 dB; Magnetic Phono, -68 dB; Tape Head, -60 dB; Auxiliary 1 and Auxiliary 2, -80 dB

Channel Separation: 40 dB.

Inputs: Tape Head (NAB equalized); Magnetic Phono (RIAA equalized);

Tuner; Auxiliary 1; Auxiliary 2.

Additional features: loudness control for full-range response even at low volume levels; rumble and scratch filters; dual-concentric bass and treble controls for each channel; front-panel jack for stereo headphones.

Has 5 pairs of stereo inputs—Tape Head (NAB equalized); Mag. Phono (RIAA); Tuner; Auxiliary 1; Auxiliary 2; plus tape recording outputs with special switch to permit monitoring of program material on three-head recorder units.

Compact—measures only $2\frac{3}{4} \times 13 \times 11"$. Beautiful Sierra Gold and Charcoal panel. All parts and instructions. Order case below for shelf or table-top use. For 110-130 volts, 60 Hz AC. Shpg. wt., 15 lbs.

22 B 3603 W. \$5 Monthly **99.95**

22 B 3035 W. Oiled Walnut Wood Case. Wt., 4 lbs. **16.95**

22 B 3036 W. Brown Metal Case. Shpg. wt., 3 lbs. **5.95**

EXPERTS AGREE:

"[The KG-870] has a superbly transparent and well-defined listening quality . . . sounds like some selling for twice its price."

ELECTRONICS WORLD

B KG-765A Solid-State Stereo FM-AM Tuner Kit

\$99⁹⁵
less
case

\$5
monthly

- 15 Transistors and 18 Diodes in Modular Circuit
- AM Whistle Filter
- Automatic Stereo Switching
- Multiplex Light Indicates Stereo Broadcasts
- IF Strip and Front-End Factory Assembled and Aligned
- Tuning Meter

This stereo FM-AM tuner kit is the perfect companion for our KG-870 stereo amplifier. An equally great value, too—no other comparably priced tuner gives you as many quality features. Circuit boasts a tuned RF stage on FM and AM for no-compromise performance. Pulls in exciting stereo FM, full-range monaural FM, plus wideband AM.

FM circuit features three wideband IF amplifiers, noise limiter, and a wideband ratio detector for outstanding reception even in many weak-signal areas. Full 10-kHz IF bandwidth on the AM circuit for maximum fidelity; built-in filter circuit screens out "whistles" received with weak stations.

SCA filter, with on-off switch on front panel, prevents interference on stereo FM stations that also transmit "storecasts." Other features: stereo indicator light; automatic

mono-stereo switching; illuminated signal-strength meter for always perfect FM-AM tuning; separate outputs for stereo tape recording. Also has AFC to lock-in FM stations and prevent drift, plus AGC and voltage regulation for added stability.

Ball-bearing tuning shaft is precision-machined for the same velvet-smooth dialing found on the most costly tuners. Low-impedance audio outputs allow long cable runs to amplifier without high-frequency loss.

Only $2\frac{3}{4} \times 13 \times 11"$ deep. With AM antenna, FM dipole, cables, wire, solder, instructions. Order case below. For 110-130 V, 60 Hz AC. Shpg. wt., 13 lbs.

22 B 3767 W. \$5 Monthly **99.95**

22 B 3035 W. Oiled Walnut Wood Case. Wt., 3 lbs. **16.95**

22 B 3036 W. Brown Metal Case. Shpg. wt., 3 lbs. **5.95**

KG-765A TUNER SPECIFICATIONS

FM CIRCUIT. Usable IHF Sensitivity: 1.25 μ V for 20 dB quieting; 2.5 μ V for 30 dB.

Frequency Response: 1 dB, 20 to 20,000 Hz.

Harmonic Distortion: less than 1.0% at rated power.

Hum and Noise: 55 dB below 1 volt.

Bandwidth: 250 kHz.

Capture Ratio: 9 dB.

IF Rejection: 70 dB.

Image Rejection: 30 dB.

AM Suppression: 30 dB.

Channel Separation: 30 dB.

Antenna: external 300-ohm folded dipole.

AM CIRCUIT. Sensitivity: 3 μ V for 10 dB S/N ratio.

Bandwidth: 10 kHz at 6-dB-down points.

Hum and Noise: 40 dB below 1 volt.

Distortion: less than 1.0%.

Image Rejection: 40 dB.

IF Rejection: 55 dB.

Antenna: ferrite loopstick; also has provision for external antenna (screw terminals).

knight-kit

STEREO HI-FI



Shown in walnut case

A
KG-870
70-Watt Stereo
Amplifier Kit
\$99⁹⁵ less case
\$5 monthly



Shown in walnut case

B
KG-765A
Stereo FM-AM
Tuner Kit
\$99⁹⁵ less case
\$5 monthly



Shown in walnut case



knight-kit
STEREO HI-FI

KG-250 Stereo Amplifier Kit

SUPERB 24-WATT HI-FI PERFORMANCE AND STYLING AT A MODEST PRICE

SPECIFICATIONS

Rated Power Output: 24 watts IHF; 48 watts peak; 20 watts sine wave (10 watts per channel).

Frequency Response: ± 1 dB, 30-15,000 Hz at rated power.

Hum and Noise: Tuner, -65 dB; Magnetic Phono, -50 dB (both measurements made at rated power output).

Inputs and Sensitivity: Magnetic Phono, 6 millivolts; Ceramic Phono, 400 millivolts; Tuner, 1 volt; Auxiliary, 1 volt.

Output Impedances: 4, 8, and 16 ohms per channel.

Feedback: 13 dB negative for minimum distortion.

Channel Separation: better than 45 decibels.

Tubes: Two ECC83/12AX7, four 6X4; plus EZ81/6CA4 rectifier.

Controls: Selector Switch, Bass, Treble, Volume.

\$44⁹⁵
less
cases
\$5 monthly



Concentric Clutch-Type
Volume Controls



Nine-Position
Selector Switch

Enjoy true high-fidelity sound with the finest 24-watt stereo amplifier kit you can buy at this low price. You get all of these deluxe features: sophisticated Knight-Kit styling with brushed aluminum front panel; 24 clean watts (48 watts peak) of IHF output power from a distortion-reducing push-pull output stage with premium-quality transformers; and simplified point-to-point wiring for the fastest, easiest assembly imaginable.

Even at this low price, you get RIAA-equalized preamplifiers for magnetic phono cartridges, DC on preamp tube filaments for reduced hum, and separate boost and cut-type bass and treble controls. Nine-position selector switch lets you choose stereo, stereo reverse, or monaural modes, as well as phono, tuner, or auxiliary inputs.

Dual-concentric clutch-type volume controls adjust both channels separately, or simultaneously, compensate for differences in inputs or speakers. Size, $4\frac{1}{8} \times 13\frac{3}{8} \times 8\frac{1}{2}$ " deep. Supplied complete with all parts, wire, solder, and detailed step-by-step instructions. Order case below. For 110-130 volts, 60 Hz AC. Shpg. wt., 13 lbs.

22 B 3317 W. \$5 Monthly.....**44.95**
22 B 3030 W. Oiled Walnut Wood Case. Shpg. wt., 4 lbs.....**12.95**
22 B 3031 W. Brown Metal Case. Shpg. wt., 4 lbs.....**5.95**

KG-50 Tuner/KG-250 Amplifier Kit Package

Save
\$5.00

\$109⁹⁰
less
cases
\$6 monthly

Separately, \$114.90. Save \$5.00 when you buy these two outstanding kits together. Perfect pair for low-cost stereo systems. KG-50 (facing page) offers you thrilling stereo FM, wideband monaural FM, plus AM. Boasts factory assembled and aligned FM front-end for peak sensitivity and best sound. KG-250 amplifier has 24 watts IHF output (48 watts peak) for plenty of room-filling sound. Full description above. Optional walnut or metal cases, listed below each unit.

22 B 0010 L2W. Shpg. wt., 25 lbs. \$6 Monthly. **109.90**





Shown in walnut case

Popular KG-50 Stereo FM-AM Tuner Kit

KNIGHT-KIT'S LOWEST PRICED STEREO FM-AM TUNER

SPECIFICATIONS

FM CIRCUIT. Tuning Range: 88 to 108 MHz.

Usable IHF Sensitivity: 2 μ V for 20 dB quieting; 3 μ V for 30 dB.

IF: 10.7 MHz. **IF and Detector Bandwidth:** 200 kHz at 6 dB down.

Hum and Noise: 50 dB below 1 volt.

Image Rejection: 40 dB.

Antenna: 300-ohm twin line.

Multiplex Separation: 30 dB.

Response: ± 1 dB, 50-15,000 Hz.

AM CIRCUIT. Range: 550-1600 kHz.

Sensitivity: 3 μ V for 10 dB S/N ratio.

IF: 455 kHz.

IF Bandwidth: 10 kHz.

Hum and Noise: 40 dB below 1 volt.

Image Rejection: 40 dB.

Antenna: ferrite loopstick.

GENERAL. Tubes: 6C9, 6BE6, 6HR6, 6HS6, 6BN8, 6AG11, two 12AU7; plus 6X4 rect.; DM70 tuning eye.

- FM Circuit Has RF Stage for Excellent Reception Even in Fringe Areas
- Front-Panel Stereo Indicator Light
- Factory-Aligned IF and Multiplex Coils
- Sensitive AM Circuit with Built-in Antenna

\$69⁹⁵
less
case
\$5 monthly

Our lowest priced stereo FM-AM tuner kit brings you high-fidelity reception at a rock-bottom price. You get stereo FM that surrounds you with a "curtain" of crystal-clear sound, wideband monaural FM, plus high-quality AM. The FM front-end is completely factory assembled and aligned to give you peak sensitivity, and for simplified assembly. The IF and multiplex coils are factory aligned too.

An "exclamation point" tuning indicator makes it easy for anyone to tune in any FM station, perfectly, in seconds. Front-panel light flashes on when a stereocast is received. FM circuit boasts an RF stage for excellent selectivity and reliable reception even in fringe areas. AFC, with defeat switch, locks in FM stations, prevents drift. Has channel separation adjustment. Low-impedance outputs permit long cable runs to your amplifier without high-frequency loss.

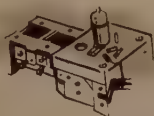
Built-in 38-kHz filters let you make flawless recordings of stereo FM. AM circuit offers full-fidelity sound. Smooth flywheel tuning. Extruded aluminum panel with gold-color finish. 4 $\frac{1}{2}$ x13 $\frac{1}{4}$ x7 $\frac{3}{4}$ ". For 110-130 V, 60 Hz AC. Step-by-step instructions. Order case below. Shpg. wt., 12 lbs.

22 B 3720 W. \$5 Monthly..... **69.95**

22 B 3030 W. Oiled Walnut Wood Case. Shpg. wt., 4 lbs..... **12.95**

22 B 3019 W. Brown Metal Case. Shpg. wt., 3 lbs..... **5.95**

THE KG-50 INCLUDES THESE DELUXE-QUALITY FEATURES



FM Front-End Is Factory Assembled And Precision Aligned



Panel Indicator Light Flashes On When Receiving Stereo FM



Unique "Exclamation Point" FM Tuning Indicator



knight-kit

STEREO HI-FI

**Our Finest Solid-State
Stereo Receiver Kit**



**KG-964 Stereo FM-AM
Receiver Kit**

\$189⁹⁵
less
case

\$10 monthly

***Knight-Kit's Best Receiver . .
Deluxe Stereo FM-AM Tuner
with Factory-Assembled FM Front-End
and FM-AM IF Circuits . . Powerful 64-Watt-IHF
Amplifier That Handles Any Music Source***

KG-964 Stereo FM-AM Receiver Kit

DELIVERS TREMENDOUS 128 WATTS PEAK POWER

Exclusive Test-As-You-Build Feature Uses Kit's Tuning Meter to Check Each Circuit

\$189⁹⁵ less case **\$10** monthly

- FM Front-End plus FM-AM IF Circuit Assembled and Aligned
- Unique Driver and Output Circuit for Minimum Distortion
- Wideband FM Circuit Automatically Switches to Stereocasts
- Separately-Regulated Independent Power Supply for Tuner
- Complete with Informative Booklet Explaining Circuits

Here is quality and performance to please the most critical audiophile. This magnificent 46-semiconductor stereo FM-AM receiver kit is packed with important features to give you every advantage of up-to-the-minute space-age audio technology. The KG-964 combines on a single chassis: individual FM and AM front ends; special multiplex circuitry that automatically switches to FM stereo; dual preamplifiers for records, tapes and auxiliary sources with a full set of inputs, outputs and controls; and a powerful 64-watt-IHF stereo hi-fi amplifier. Exclusive "Test-As-You-Build" feature lets you check your work as you assemble the kit.

FM front-end and AM/FM IF strip come to you factory assembled and precisely aligned. All transformers and coils are also factory aligned. FM has tuned RF, 3 wide-band IF's and ratio detector for high sensitivity, excellent selectivity and distortion-free reception; AFC for drift-free performance. Multiplex circuitry automatically switches to stereo mode and triggers front-panel light when stereocast begins. Tuned AM RF stage, 10-kHz filter.

Preamplifier circuits provide precise RIAA equalization for any magnetic cartridge, and NAB equalization for tape heads. Has extra set of inputs for any high-level auxiliary source. High-impedance stereo tape outputs are unaffected by volume or tone settings. Controls include: Volume; Balance; Treble; Bass; Tuning; plus 6-position Input Selector Switch. Employs 7 positive-action rocker switches for these functions: Stereo/Mono; AFC On/Off; Stereo/Reverse; Loudness On/Off; SCA Filter On/Off; Lo-Cut On/Off; Hi-Cut On/Off; Push-On/Off AC Power Switch; and Phase Reverse Switch (on rear of chassis).

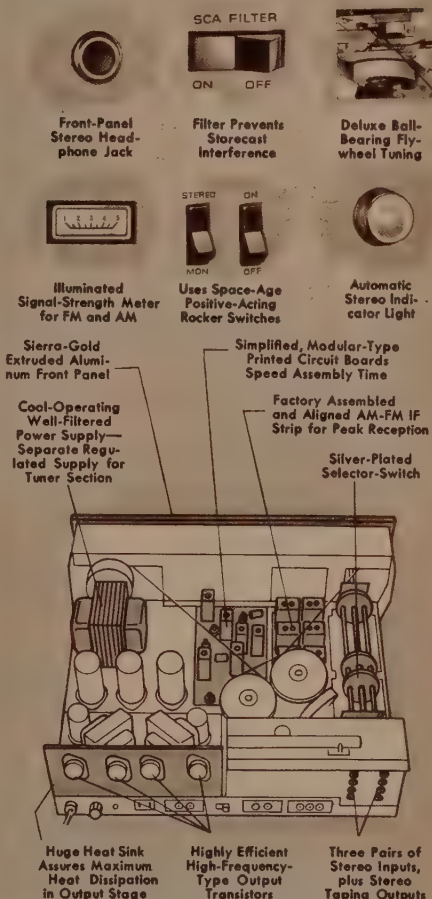
The 64-watt amplifier circuit uses no output transformers—there is no compromise of tonal beauty. You hear extra-powerful bass, clean midrange and sparkling highs. And, there's more than ample power to drive even low-efficiency speakers to room-filling levels. Virtually no hum or noise.

Service switch on chassis provides on-the-air adjustment of multiplex circuit using the built-in tuning meter to provide optimum performance with your reception and antenna conditions. AM rod, FM dipole antenna. Switched AC outlet on rear of chassis. Printed circuit boards, modules and plug-in sockets simplify assembly. Backlighted slide-rule dial. 5x16 $\frac{3}{4}$ x15". Panel has Sierra Gold finish. Assembly instructions, circuit-explanation booklet. Order case for 110-130 VAC.

22 B 3766 UW. Shpg. wt., 26 lbs. \$10 Monthly. . . . **189.95**
22 B 3040 W. Oiled Walnut Wood Case, 7 lbs. . . . **19.95**

22 B 3241 W. Knight FM Outdoor Antenna Kit. Aluminum dipoles, mast, 50' lead-in, and insulators. Omnidirectional pickup for uniform gain. Shpg. wt., 8 lbs. . . . **6.95**

DELUXE FEATURES OF THE KG-964



KG-964 RECEIVER SPECIFICATIONS

AMPLIFIER CIRCUIT. Output: 64 watts IHF, 32 watts per channel; 128 watts peak; 36 watts continuous sine wave, 18 watts per channel. Outputs: 4, 8 or 16 ohms each channel; front-panel stereo headphone jack; high-level for stereo taping. Response: ± 1 dB, 20-35,000 Hz at rated output; ± 1 dB, 20-50,000 Hz at 1 watt. Distortion: Harmonic, less than 1%; IM, less than 1.5%. Hum and Noise: High-Level Inputs, 75 dB below rated output; Low-Level, better than 60 dB below.

TUNER CIRCUIT. FM: IHF Sensitivity: 2.5 μ V for 30 dB; 1.25 μ V for 20 dB quieting. Bandwidth: 280 kHz. Hum and Noise: -55 dB. Frequency Response: ± 1 dB, 20-20,000 Hz. Harmonic Distortion: less than 1%. IF Rejection: 75 dB. Image Rejection: 30 dB. Capture Ratio: 8 dB. Stereo Separation: 35 dB. AM: Sensitivity: 3 μ V for 10 dB S/N ratio. Bandwidth: 10 kHz at 6 dB down. Hum and Noise: -40 dB. IF Rejection: 55 dB. Image Rejection: 40 dB. Harm. Dist.: less than 1%.



knight-kit

STEREO HI-FI

Stereo Companions for the Ultimate in Hi-Fi Stereo Sound

"... the KG-895 offers excellent value; as a companion for the KG-790 tuner, it is a perfect match. It was not difficult to build, and from the first time it was turned on, it worked and tested as indicated."

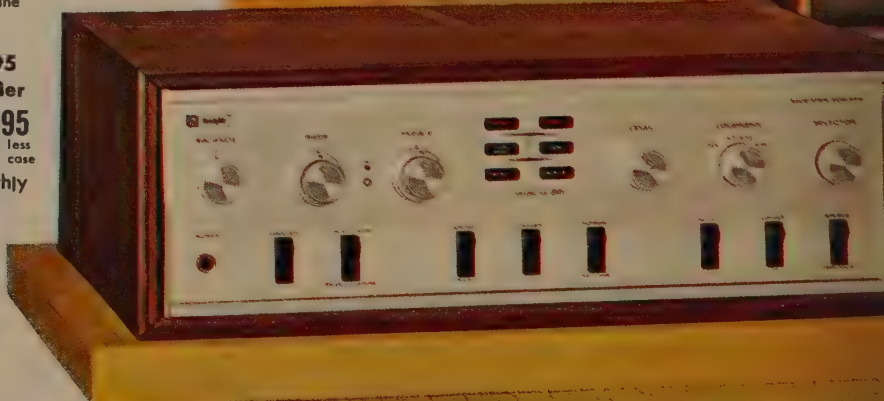
Audio Magazine

KG-895

Amplifier

\$149⁹⁵
less
case

\$8 monthly



"... The entire FM-front-end and i.f. section is completely factory-wired... The instructions are superbly detailed... In performance, the KG-790 leaves little to be desired."

Audio Magazine

KG-790

Tuner

\$149⁹⁵
less
case

\$8 monthly



Our Finest Solid-State Stereo Amplifier Kit

KG-895—DELIVERS POWERFUL 120-WATT IHF OUTPUT

- Advanced Solid-State Circuit with 34 Premium Semiconductors
- Direct-Coupled Output for Wide Response • Function-Indicator Lights
- Printed Circuit Modules and Terminal Boards for Easy Assembly
- Self-Resetting Thermal Output Circuit-Breaker Protection

Knight-Kit's best amplifier—for the finest stereo hi-fi reproduction. Develops a tremendous 240-watt peak power output to drive any stereo speaker system to maximum performance. Circuit boasts thirty-four premium semiconductors for long-term reliability, and absolute tonal purity. High-frequency type power transistors assure full response even at full rated output. Has controls and switches for complete mastery of every music source.

Front-panel switch selects remote or main speakers. Front-panel jack for stereo headphones. Matched level-control sections achieve optimum channel balance at any volume. Dual concentric, clutch-type bass and treble controls. Seven matched stereo inputs (6 switched pairs plus tape monitor controlled by front-panel switch). Four pairs of level-set controls for inputs.

Matches 4, 8, 16 ohm speakers. 5x16 $\frac{3}{4}$ x15". Extruded Sierra Gold aluminum panel. With all parts, step-by-step instructions. Order case below. For 110-130 volts, 60 Hz AC. Shpg. wt., 28 lbs.

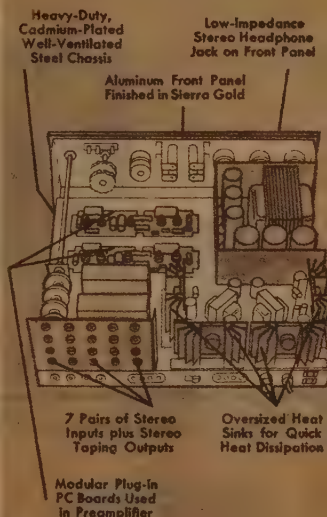
22 B 3604 UW. \$8 Monthly. 149.95

22 B 3040 W. Deluxe Oiled Walnut Wood Case. Shpg. wt., 7 lbs. 19.95

KG-895 SPECIFICATIONS

Power Output (8-ohm Load): 120 watts IHF (60 watts per channel); 240 watts peak; 80 watts continuous sine wave. **Response:** ± 1 dB, 18-30,000 Hz at full rated output. **Distortion:** Harmonic, under 0.7% at full rated output; Intermodulation, less than 1% with signal of 60 Hz and 7 kHz, mixed 4:1. **Power Bandwidth:** 20-20,000 Hz at full rated power at less than 1% distortion. **Hum and Noise:** Tuner and Aux. inputs, 75 dB below rated output; Magnetic Phono, 65 dB below; Tape Head, 60 dB below. **Equalization:** Mag. Phono, RIAA; Tape, NAB. **Channel Separation:** over 55 dB. **Input Sensitivity:** Tuner, Aux., .25 V; Mag. Phono, 2.5 mV; Tape Head, 2.0 mV; Tape Monitor, 0.5 V. **Recorder Output:** 0.5 V independent of control settings. **Power Consumption:** 35-200 watts.

CHECK THESE DELUXE FEATURES



KG-790—Our Best Solid-State Stereo FM-AM Tuner Kit

- Four FM Front-End Tuned Circuits and 4 Double-Tuned IF's for Super Sensitivity
- Automatic Stereo FM Switching • Adjustable Automatic Interstation Muting
- Factory Assembled and Aligned FM Front End and IF Amplifiers • Sensitive AM
- Front-Panel Stereo FM Indicator Light • 22 Transistors and 14 Diodes

A perfect match in size, style, and performance for the amplifier above, the KG-790 tuner delivers the full-range brilliance of FM stereo, and offers outstanding clarity on AM too. IF amplifiers and FM front-end are factory assembled and precisely aligned. Zener-diode regulation for utmost stability. Coils and transformers are professionally aligned (you use the tuner's tuning meter to align multiplex circuit for optimum performance).

Four FM front-end tuned circuits and 4 double-tuned IF stages insure highest sensitivity and excellent selectivity. Adjustable automatic interstation muting eliminates noise between stations while dialing. Circuit automatically switches to stereo mode whenever stereocast is received. Automatic threshold control stops false stereo indications on weak signals.

Printed circuits with transistor sockets for easy assembly. AM section has 10-kHz whistle filter. Effortless ball-bearing tuning. Backlighted, 2-color slide-rule dial. FM-AM tuning meter. Built-in ferrite-rod AM antenna and FM dipole; terminals for external AM and FM antennas. 5x16 $\frac{3}{4}$ x15". Order case below. For 110-130 volts, 60 Hz AC. Shpg. wt., 20 lbs.

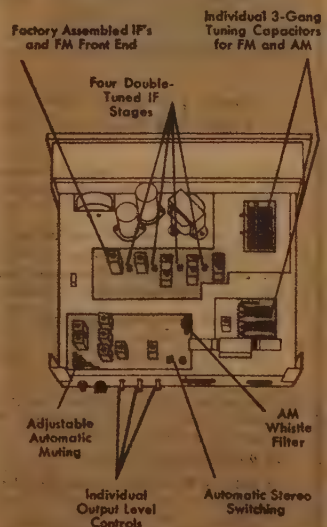
22 B 3760 W. \$8 Monthly. 149.95

22 B 3040 W. Deluxe Oiled Walnut Wood Case. Shpg. wt., 7 lbs. 19.95

KG-790 SPECIFICATIONS

FM CIRCUIT: Usable IHF Sensitivity: 2.5 μ V for 30 dB quieting. **Capture Ratio:** 2 dB. **IF Rejection:** 80 dB min. **Image Rejection:** over 70 dB. **Hum and Noise:** -60 dB. **IF Bandwidth:** 300 kHz. **Response:** ± 2 dB, 50 Hz to 15 kHz. **Distortion:** less than 0.75% at 1-volt output. **Antenna:** unbalanced 300-ohm input. **MULTIPLYER, 19-kHz Suppression:** 55 dB min. **38-kHz Suppression:** 50 dB min. **SCA Rejection:** over 30 dB at 67 kHz. **Separation:** over 40 dB at 1 kHz. **AM CIRCUIT:** Sensitivity: 3.5 μ V for 20 dB. **S/N ratio:** 1.5 μ V for 10 dB S/N ratio. **IF Bandwidth:** 7.5 kHz. **IF Rejection:** 60 dB min. **Image Rej.:** 70 dB min. at 1 kHz. **10-kHz Rej.:** 40 dB min. **Antenna:** Built-in AM; provision for ext. ant.

DELUXE FEATURES OF THE KG-790 TUNER



Send No Money for 30 Days . . . Up to Two Years to Pay

ALLIED 437

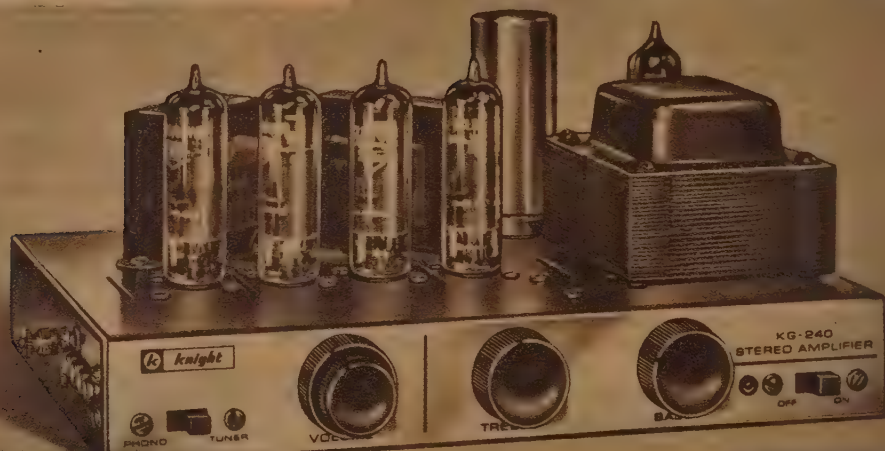


knight-kit

HIGH-FIDELITY

KG-240 Stereo Amplifier Kit

IDEAL FOR BUDGET STEREO SYSTEMS



20-Watt Stereo Phono Kit System



Base optional

Save **\$5.85** **\$67.95** Separately, **\$73.80**

Knight-Kit KG-240 20-Watt Stereo Amplifier Kit. Features full-range response, distortion-free sound.

Allied 466 4-Speed Record Changer. Automatic; has ceramic stereo turnover cartridge with dual synthetic-sapphire needles. Intermixes records of same speed.

Two Knight KN-809A 8" Speakers. Each has midrange radiator for good treble response; 8" woofer, 3 1/2" deep. Response, 50-13,000 Hz.

All cables, plugs, system booklet. Optional amplifier cover at right, changer base below. Shpg. wt., 29 lbs.

22 B 0661 14U. \$5 Monthly.....67.95

14 B 5451 X. Changer Base for "466". Shpg. wt., 3 lbs.....4.95

An Optional Perforated Metal Cover Is Available When the KG-240 is Shelf-Mounted or Openly Displayed.



20-Watt Output with Hi-Fi Response

\$34.95
less
cover
\$5 monthly

- Full 35 to 15,000 Hz Frequency Response
- 10 Watts Per Channel IHF Music Power
- Stereo Inputs for Tuner, Ceramic Phono
- Ganged Bass and Treble Tone Controls
- Dual-Concentric Volume/Balance Control

An opportunity for the music lover to enjoy fine stereo performance and a bargain price. This amplifier delivers 10 watts per channel IHF music power—more than adequate for most homes. Heartily recommended for use in any low-cost stereo music system. Has two pairs of stereo inputs, selected by front-panel switch, to accommodate tuner and ceramic phono.

Ganged bass and treble controls for accurate tonal adjustments, dual-concentric volume control for fast and easy channel balancing. Premium ECL86 output tubes, in push-pull output circuits, deliver plenty of distortion-free power.

AC convenience outlet on rear of chassis. Fused, transformer-operated power supply. 5x10x7". Platinum bronze color with white escutcheon, black knobs, chrome trim. With precut wire, solder, instructions. Gray metal cover listed below. For 110-130 V, 60 Hz AC. Shpg. wt., 11 lbs.

22 B 3602 W. \$5 Monthly.....34.95

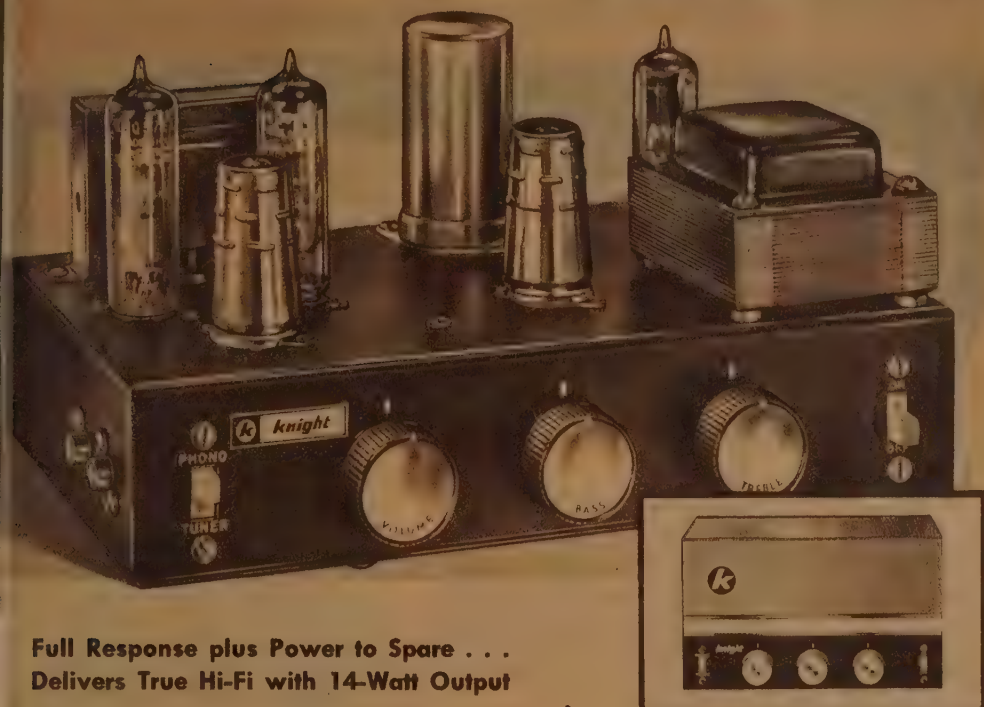
22 B 3020 W. Gray Metal Cover. Shpg. wt., 2 lbs.....4.95

KG-240 SPECIFICATIONS

Rated Power Output: 20 watts IHF; 40 watts peak; 16 watts continuous sine wave. **Frequency Response:** ±1.5 dB, 35 to 15,000 Hz. **Harmonic Distortion:** less than 1.5% at 20 watts with 1 kHz input. **Hum and Noise:** 60 dB below 20 watts. **Sensitivity for Rated Output:** 0.5 volt, Ceramic Phono or Tuner input. **Separation:** 35 dB. **Treble Cut:** 10 dB at 15 kHz. **Bass Boost:** 10 dB at 100 Hz. **Output Impedance:** 8 and 16 ohms. **Tubes:** four ECL86; EZ81/6CA4 rectifier.

KM-15 Monaural Hi-Fi Amplifier Kit

ECONOMY-PRICED HIGH-FIDELITY AMPLIFIER KIT



**Full Response plus Power to Spare . . .
Delivers True Hi-Fi with 14-Watt Output**

- Ideal for "Starter" or "Second" Hi-Fi System
- Preamplifier Has Equalized Input for Magnetic Phono
- Push-Pull Output Circuit with Powerful EL-84 Audio Tubes
- Includes Separate Bass and Treble Tone Controls

Here is a truly versatile, low-cost monaural high-fidelity amplifier kit. Have the fun of building it, then settle back for years of relaxing high-fidelity enjoyment. Ideal as the "heart" of an inexpensive home music system, or as an "add-on" second channel to convert your present system to rich satisfying stereo. Priced so low, and so easy to build, it's a fine choice for a hi-fi system in the recreation room, or for a system the children can call their own.

Has many features found in more expensive amplifiers. Expertly engineered, it boasts push-pull output for smooth, clean high-fidelity response over the entire audio range, with hum and noise reduced to the vanishing point. Built-in equalized preamplifier for use with magnetic phono cartridge. High-level input for tuner or ceramic cartridge. Separate bass and treble controls let you adjust program material to your liking—gives you complete control of tonal color.

Has three operating controls: Volume, Bass and Treble; two switches: Phono-Tuner, and On-Off. Size, 5x9½x6". Jet Black chassis. With all parts, wire, solder and easy-to-follow assembly instructions. Optional metal cover below. For 110-130 volts, 60 Hz AC. Shpg. wt., 8 lbs.

2 B 3784 W. \$5 Monthly. 24.95
2 B 3783 W. Metal Cover. Gray with chromed trim. Perforated. Shpg. wt., 2 lbs. 4.95

Complete Kit **\$24⁹⁵** less cover \$5 monthly

SPECIFICATIONS

Power Output: 14 watts IHF music power, 12 watts continuous sine wave.

Frequency Response: ±1.5 dB, 30-15,000 Hz.

Harmonic Distortion: Less than 1% at 12 watts, at 1 kHz (through Tuner input; Tone control settings normal).

Hum and Noise: Better than 65 dB below 12 watts, referred to 1-V input at Tuner. More than 45 dB below 12 watts, referred to 10 mV input at phono.

Power Sensitivity: 5 mV at phono input for 12 watts output.

Feedback: 15 dB negative feedback.

Controls: Bass control: 9 dB of bass boost or cut at 40 Hz. Treble control: 9 dB treble boost or cut at 10 kHz. Tuner-phono switch. Volume control.

Output Impedances: 4, 8, and 16 ohms.

Tube Complement: two EL84/6BQ5A, two ECC83/12AX7; plus EZ81/6CA4 rect.

Power Consumption: 50 watts at 117 VAC operation.

Use Your Allied Credit Fund Account to Buy a Knight-Kit Music System Now

ALLIED 439

knight-kit **Stereo Hi-Fi**

Solid-State Amplifier Kit **SUPERB STEREO AT MODERATE COST**



Shown in walnut case

KG-854 Deluxe 54-Watt Stereo Amplifier Kit

\$79⁹⁵
less case

\$5

monthly

- Five Pairs of Stereo Inputs • Loudness Switch
- Stereo Reverse Switch • Scratch Filter
- Rumble Filter • Tape Recording Outputs

SPECIFICATIONS

Power Output: 54 watts IHF, 108 watts peak; 34 watts continuous sine wave. For 8 or 16-ohm speakers. **Response:** ± 1 dB, 20-25,000 Hz. **Distortion at Full Power:** Harmonic, below 1%; IM, below 1.5%. **Hum & Noise:** Tuner and Aux., -75 dB; Magnetic Phono and Tape Head, better than -60 dB. **Inputs:** Tape Head (NAB equalization); Magnetic Phono (RIAA equalization); Tuner; Aux. 1; Aux. 2. **Bass Cut or Boost:** 10 dB at 100 Hz. **Treble Cut or Boost:** 5 dB at 15 kHz. **Sensitivity for Rated Output:** Tape Head, 2.5 mV; Mag. Phono, 3 mV; Tuner, 0.5 V; Aux. 1, 0.25 V; Aux. 2, 1 V. **Controls:** Volume, Balance, Bass, Treble, Switches: Selector, Stereo Reverse, Loudness, Scratch Filter, Rumble Filter, Stereo Mono, Power On/Off.

A deluxe solid-state stereo amplifier with "high-priced" features at a very moderate cost. Boasts five pairs of stereo inputs with stereo-reversing switch, plus self-resetting circuit-breakers for overload protection on each channel, scratch and rumble filters for problem records. Loudness switch, too. Stereo headphone jack automatically mutes speakers. Printed circuit board, plug-in transistor sockets and military-type terminal-board wiring make assembly easy. 23 $\frac{1}{2}$ x13x11". Sierra Gold and Charcoal styling. With solder, full instructions. Order case below. For 110-130 volts, 60 Hz AC. Shpg. wt., 14 lbs.

22 B 3605 W. \$5 Monthly.....	79.95
22 B 3035 W. Oiled Walnut Wood Case. Shpg. wt., 4 lbs.....	16.95
22 B 3036 W. Brown Metal Case. Shpg. wt., 3 lbs.....	5.95

Stereo Systems Featuring the KG-854 Amplifier Kit



Save \$32.42

\$156⁸⁸

less case and base

\$8 monthly



Save \$36.87

\$218⁸⁸

With case, base

\$10 monthly



Custom 54-Watt Stereo Phono Kit System

Components purchased separately cost \$189.30, save \$32.42. Knight-Kit KG-854 Solid-State 54-Watt Stereo Amplifier Kit, Garrard SL55 4-Speed Automatic Turntable, Shure M44-7 Cartridge with Diamond Needle, two Knight KN-822HC 12" 2-Way Speakers. With cables, plugs. Optional amplifier case above; Garrard base below.

22 B 0662 L4U. Wt., 42 lbs. Exp. \$8 Monthly.....	156.88
13 B 3153 X. SL55 Changer Base. 5 lbs.....	4.95

Our Best 54-Watt Stereo Phono Kit System

Components purchased separately cost \$255.75, save \$36.87. Knight-Kit KG-854 Solid-State 54-Watt Stereo Amplifier Kit, Garrard SL55 4-Speed Automatic Turntable, Shure M-44E Cartridge with Elliptical Diamond Needle, two Knight KN-3005 3-Way Oiled Walnut Speaker Systems. With cables, plugs and system booklet. Includes walnut amplifier case and Garrard base. Wt., 77 lbs. Express.....

22 B 0663 L6Z. \$10 Monthly.....	218.88
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Save on Complete Knight-Kit Stereo Systems

3 REASONS WHY KNIGHT-KIT STEREO SYSTEMS ARE BEST

They're Matched—Each Knight-Kit system is selected for component compatibility to assure the finest possible audio reproduction in its price range.

They're Fun—you get enjoyable hours of kit assembly time . . . plus substantial savings over the cost of a comparable factory-assembled stereo system.

You Save—our Special System Plan saves you money off the cost of the same components if they were to be purchased individually.

FREE SYSTEM EXTRAS

You get free extras with any Knight-Kit system you buy. All audio cables and connectors are included, together with two extra-long speaker cables. The phono cartridge included in your system is carefully installed and adjusted by Allied technicians to make certain that its performance meets factory specifications. Allied Music Systems Instruction Booklet, specially written and compiled by Allied's own high-fidelity staff, is included to help you get the best possible performance from your component music system.

SELECT YOUR OWN COMPONENTS

You may write to our Hi-Fi Audio Division for a money-saving price quote on a stereo system of your own choice, if you prefer. Even though you select your own components, you still get special low price. Your choice of components will be reviewed by an audio technician to make sure that all components are compatible with each other. If improved component-match can be achieved with no increase in price, he will advise you. Whatever your needs, Allied will help tailor your stereo component system to your taste and budget.

Be Sure to See the Complete Knight Speaker and Speaker System Listings Starting on Page 61



Complete Stereo Phono Kit System

Save \$42.77

\$168⁸⁸ With Case
and Base

\$9 monthly



Super-Value 54-Watt Solid-State Stereo Kit System

Thrilling stereo realism at a sensible price thanks to kit-building economy and savings off price of components bought separately. Knight-Kit KG-854 54-Watt Stereo Amplifier Kit. Solid-state for flawless sound. Full range of controls. Oiled walnut case. Allied Model 919 Automatic Turntable. Four speeds; intermixes different size records of same speed. 4-pole motor. With matching base.

Shure M44-7 Cartridge. With diamond needle. Response, 20-20,000 Hz. Tracks at 2.5 grams. Over 25 dB channel separation.

Two Knight KN-3002 Speaker Systems. 8" woofer with 6-oz. magnet; direct radiator or tweeter. Crossover network. Each, 12 $\frac{1}{2}$ "x15"x9". Handsome oiled walnut veneer finish. Shpg. wt., 69 lbs.

22 B 0664 16Z. \$9 Monthly. 168.88

Get Your Knight-Kit Stereo System on Allied's Credit Fund Plan

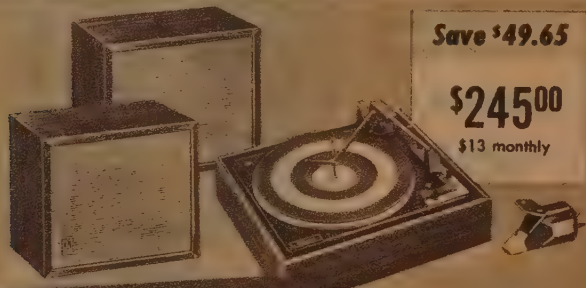
ALLIED 441



knight-kit

STEREO SYSTEMS

50-Watt FM-Phono Systems



Save \$49.65

\$245⁰⁰

\$13 monthly

Featuring
Knight-Kit's
Newest Stereo FM
Receiver Kit

Low-Cost Stereo FM-Phono System

Save \$49.65 off separate component prices.

Knight-Kit KG-980 50-Watt Stereo FM Receiver Kit. Knight-Kit's newest stereo FM receiver kit. Automatic stereo switching. Uses premium silicon transistors. Complete control, input and output facilities for phono and tape. 18-30,000 Hz response. With oiled walnut case.

New Allied 919 4-Speed Automatic Turn-Table. Deluxe unit has pause and cueing control. Manual, full or semi-automatic operation, choice of repeat-play or automatic shut-off, plus matching base.

Empire 808E Stereo Cartridge. High-compliance elliptical with diamond stylus.

Two Knight KN-3002 Walnut Shelf Speaker Systems. 8" woofer, direct radiator VHF $3\frac{1}{2}$ " tweeter. Walnut veneer finish. Cables, plugs and system booklet. Shpg. wt., 74 lbs.

22 B 0681 16Z \$13 Monthly..... 245.00



Save \$39.25

\$265⁰⁰

\$14 monthly

With the New
KG-980 Stereo FM
Receiver Kit

Bookshelf FM-Phono System

Save 12% off separate component prices.

Knight-Kit KG-980 50-Watt Stereo FM Receiver Kit. Boasts specially selected low-noise transistors. Four-stage front end; factory assembled and aligned RF and IF sections; automatic stereo switching. Oiled walnut case.

Garrard 40 MK II 4-Speed Automatic Turn-Table. Features counterbalanced arm, easy pressure adjustment. Four-pole motor for exact speeds. Automatic or manual operation. With base.

Shure M32E Stereo Cartridge. With elliptical diamond stylus.

Two Knight KN-3005 3-Way Walnut Shelf Speaker Systems. 10" woofer, 6" midrange, $3\frac{1}{2}$ " tweeter. Response, 40-16,000 Hz. Cables, booklet. Wt., 82 lbs.

22 B 0682 16Z \$14 Monthly..... 265.00

New KG-980 50-Watt FM Receiver/Phono Systems

COMPLETE STEREO FM-PHONO SYSTEMS AT BIG SAVINGS OFF INDIVIDUAL PRICES

Outstanding Stereo Music System

Save 15% off separate component prices.

Knight-Kit KG-980 50-Watt Stereo FM Receiver Kit. Unique design eliminates all output and driver transformers for extra-wide response. Jack for stereo headphone. Oiled walnut case.

New Garrard SL55 4-Speed Automatic Turntable. New Synchro-Lab motor controls turntable speeds with the accuracy of a fine watch. Cuing control and stylus pressure adjustment. Automatic or manual operation. With base.

New Pickering V15/ACE-3 Stereo Cartridge. Elliptical diamond stylus. 20-20,000 Hz.

Two Knight KN-3030AK Speaker System Kits. 12" woofer, 6" midrange, 3 1/4" tweeter. Tuned port. With walnut finishing oil. Cables, booklet. Wt., 97 lbs.

22 B 0683 L6Z. \$16 Monthly. . . . 290.00

Deluxe FM-Phono System

Save \$64.20 off separate component prices.

Knight-Kit KG-980 50-Watt Stereo FM Receiver Kit. Premium silicon transistors. Powerful 4-stage front end for good reception even in fringe areas. Full controls, inputs, outputs, including tape monitor switch. FM dipole, walnut case.

New Garrard SL65 4-Speed Automatic Turntable. Features superior new Synchro-Lab motor, stylus pressure adjustment, cuing and pause control. Anti-skate unit for improved tracking; balanced pickup arm. Interchangeable spindles.

Empire 888E Stereo Cartridge. Elliptical diamond stylus. 10-30,000 Hz.

Two Knight KN-2260K Speaker System Kits. 12" woofer, 8" midrange, VHF horn tweeter. Tuned port. Just connect wires and finish enclosure with oil supplied. Cables, booklet. 121 lbs.

22 B 0684 L6Z. \$17 Monthly. . . . 350.00

Superb Stereo FM-Phono System

Save \$75.20 off separate component prices.

Knight-Kit KG-980 50-Watt Stereo FM Receiver Kit. Superb stereo and mono FM. Phono and tape inputs. Critical parts assembled and aligned. Tuning meter, automatic stereo switching. Oiled walnut case.

New Garrard SL75 4-Speed Automatic Turntable. All new—features super-accurate Synchro-Lab motor, low-mass pickup arm, combined manual and cuing control, adjustable anti-skating control and stylus pressure adjustment. With deluxe base.

Pickering V15/ATE-3 Stereo Elliptical Cartridge. Stylus brush, diamond stylus.

Two New Knight KN-2350B Walnut Speaker Systems. Acoustic suspension. 12" woofer, 6" midrange, VHF tweeter. Cables, booklets. Shpg. wt., 141 lbs.

22 B 0685 L6Z. \$20 Monthly. . . . 450.00

Save \$54.20

\$290.00

\$15 monthly

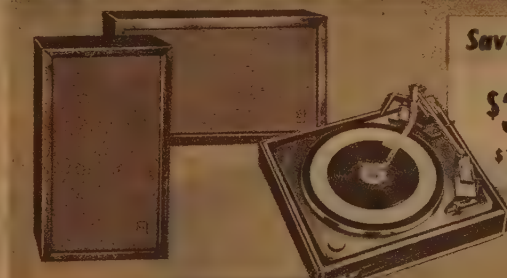


Great Ensemble—
Knight-Kit Receiver,
Knight Speakers
plus New Garrard
SL55 Turntable

Save \$64.20

\$350.00

\$17 monthly

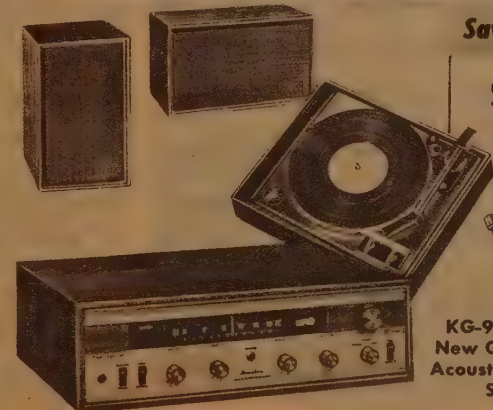


Knight-Kit Receiver,
Knight Speakers,
Empire Cartridge
New Garrard SL65

Save \$75.20

\$450.00

\$20 monthly



KG-980 Receiver,
New Garrard SL75,
Acoustic-Suspension
Speakers

Make Add-On Purchases Anytime . . . Just Say "Charge It"

ALLIED 443

New Stereo Compacts Featuring *knight-kit*



Lowest Cost FM-Phono Stereo Compact Kit

With Super-Compact Speaker Systems and Allied Automatic Turntable **\$259⁹⁵** \$13 monthly

- Complete 3-Piece 50-Watt Stereo System in Walnut Cabinets
- Automatic Turntable, Speaker Systems and Receiver Case Are Factory Assembled—You Build Only the FM Receiver
- Space-Saving Knight Acoustic-Suspension Speaker Systems
- Deluxe Allied Turntable and Shure Elliptical Cartridge

An exciting "first" from Knight-Kit—a Stereo Compact FM-phono system at a low *kit* price, yet you need assemble only the receiver. Consists of the 50-watt KG-980 stereo FM receiver kit, Allied's deluxe 919 automatic turntable with Shure magnetic cartridge, and two super-compact Knight KN-2310 acoustic-suspension speaker systems, assembled and finished in oiled walnut.

Receiver has all *silicon* transistors, automatic stereo-mono FM switching, controls and inputs for adding a tape player, tape monitor, stereo headphone jack, and more. Boasts transformerless driver and output circuits for extra-wide power response of 20-20,000 Hz. (See p. 422-423.)

Allied's 919 4-speed automatic turntable has a low-mass tubular-aluminum counterbalanced pickup arm. Cueing and pause controls, manual or automatic operation. (See p. 51.) Includes Shure M-32E stereo cartridge, with elliptical stylus, for outstanding stereo reproduction.

Super-compact Knight speaker systems feature acoustic-suspension for solid bass response from enclosures measuring only 5½"x10½"x7". Special 4" woofer and 2" tweeter for 60-17,000 Hz response. Assembled and finished in oiled walnut veneer. With instructions, speaker cables. For 110-120 volts, 60 Hz AC. Shpg. wt., 67 lbs.

22 B 0676 16Z. \$13 Monthly.....259.95



Deluxe FM-Phono Stereo Compact Kit

\$289⁹⁵
\$15 monthly

Complete 3-Piece System with FM Receiver, Allied Automatic Turntable, KN-3030A 12" 3-Way Speaker Systems

This deluxe stereo compact has all the same hi-fi components as the outfit at right, except it features Knight's KN-3030A speaker systems (assembled) with big 12" woofer for extra-powerful bass. Also have 6" midrange, 3½" tweeter. 35-16,000 Hz. Oiled walnut veneer. Each, 14½"x24x9". Shpg. wt., 107 lbs.

22 B 0677 16Z. \$15 Monthly.....289.95

KG-980 Solid-State 50-Watt FM Receiver Kit



Super-Deluxe FM-Phono Stereo Compact Kit

With Full-Size 12"
Speaker Systems and
Garrard Automatic Turntable

\$339⁹⁵ \$16
monthly

- Complete 3-Piece 50-Watt Stereo System in Walnut Cabinets
- Knight 12" Speaker Systems for Response from 30-18,000 Hz
- Garrard SL65 Automatic Turntable with Synchro-Lab Motor
- Empire 888E Stereo Cartridge with Elliptical Diamond Needle
- Everything Factory Assembled Except for FM Receiver Kit

A spectacular performer! You get dazzling stereo realism from superb-quality components in handy bookshelf size cabinets. Just assemble the fun-to-build receiver kit, mount the turntable on receiver case, connect the factory-assembled speaker systems, and you're ready for connoisseur-quality stereo FM and phono performance. Includes Knight-Kit KG-980 stereo FM receiver kit, Garrard SL65 4-speed automatic turntable, Empire 888E magnetic stereo cartridge with elliptical diamond needle, and two Knight KN-2330 speaker systems with 12" woofer, 8" midrange and 3½" tweeter. Full 30-18,000 Hz response.

Receiver has *silicon* transistors to pull in flawless stereo FM; delivers full 50 watts of IHF power. Inputs and controls for adding tape player, stereo headphones. Features factory assembled and aligned RF and IF circuits.

Garrard's automatic turntable has the new Synchro-Lab motor for power combined with perfect speed accuracy. Empire's 888E cartridge assures finest performance from any stereo recording.

With all parts, instructions, factory assembled and finished wood cabinets, ready-to-mount turntable, ready-to-play speaker systems with cable. For 110-120 volts, 60 Hz AC. Shpg. wt., 117 lbs.

22 B 0678 16Z. \$16 Monthly.....**339.95**



Knight-Kit's Best Stereo Compact Kit

\$429⁹⁵
\$19 monthly

Complete 3-Pc. Stereo System with
FM Receiver, Garrard Automatic
Turntable, 12" KN-2350B Speakers

There's no finer Stereo Compact! Same superb components as at left, except has deluxe Knight KN-2350B 12" acoustic-suspension speaker systems. Response is 20 Hz to beyond audio range! 12" woofer, compression-type midrange, tweeter. Oiled walnut veneer. Size, 14x26x13½". Shpg. wt., 151 lbs.

22 B 0679 16Z. \$19 Monthly.....**429.95**

These Compacts Have Factory-Assembled Turntables and Speaker Systems

ALLIED 445



Stereo Phono/FM Systems Featuring New Knight-Kit 50-Watt KG-865 Solid-State Amplifier Kit

Advantages of Solid-State Amplifiers

The instant you switch your solid-state stereo amplifier on, you get magnificent, lifelike music. Solid-state amplifiers are compact and have the advantage of cool, dependable operation.

There are no tubes or transformers to produce heat that can shorten component life. Transformerless output circuits result in wider frequency response, and greater power bandwidth.



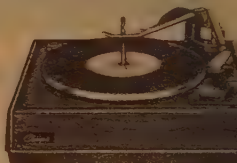
KN-3002 Speakers



Allied 919 Turntable



KN-830BHC
Speakers



Garrard 40MK II



KG-865 Amplifier

Compact 50-Watt Stereo Phono System

Save \$34.75 \$169.95 \$9 monthly



Shure
M32E
Cartridge



KG-865 Amplifier

Custom 50-Watt Stereo Music System

Save \$39.30 \$159.95 \$8 monthly



Empire
808E
Cartridge

Knight-Kit KG-865 50-Watt Solid-State Stereo Amplifier Kit. Silicon transistors. Transformerless audio circuits. Printed circuit boards for easy assembly. Walnut case.

Allied 919 4-Speed Automatic Turntable. Automatic/manual operation, pause and cueing control, anti-skating device, 4-pole motor for precision speeds. Matching base.

Shure M32E Stereo Cartridge. Elliptical diamond stylus for accurate, distortion-free tracking.

Two Knight KN-3002 2-Way Shelf Speaker Systems. 8" woofer, 3 1/2" tweeter. Response: 50-15,000 Hz. Oiled walnut finish. Each, 12 5/8 x 15 x 9". Cables, hi-fi booklet. 66 lbs.

22 B 0686 L6Z. \$9 Monthly. 169.95

Alternate System with KG-795 Stereo FM Tuner Kit. Save \$43.67. As above, plus tuner. Tuner has all silicon transistors, factory-assembled RF and IF stages. Oiled walnut case.

22 B 0687 L8Z. Wt., 79 lbs. \$13 Monthly. 250.88

Knight-Kit KG-865 50-Watt Solid-State Stereo Amplifier Kit. Complementary Symmetry Circuit for powerful, wide-response sound. Inputs for tuner, phono, tape. Less case.

Garrard 40 MK II 4-Speed Automatic Turntable. Automatic or manual operation, counterbalanced arm, 4-pole motor, stylus pressure adjustment. With base.

Empire 808E Stereo Cartridge. Elliptical diamond stylus for superb performance and tracking.

Two Knight KN-830BHC 3-Way Speakers. 12" woofer, mid-range cone and tweeter. Level control. Res.: 25-18,000 Hz. Excellent for custom installation. With cables and hi-fi booklet. Shpg. wt., 48 lbs.

22 B 0688 L5U. \$8 Monthly. 159.95

Alternate System with KG-795 Stereo FM Tuner Kit. Save \$40.32. As above, but includes solid-state stereo FM tuner kit. Less case. Wt., 55 lbs.

22 B 0689 L6Z. \$12 Monthly. 228.88

Select Stereo Systems for Dazzling Performance featuring New Knight-Kit KG-865 Solid-State Stereo Amplifier Kit



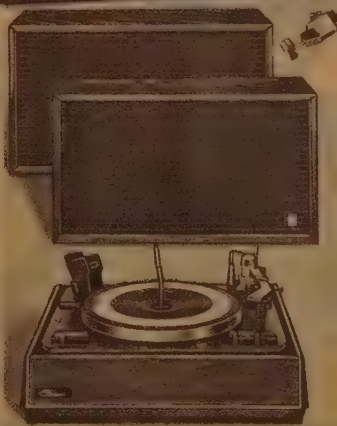
**Solid-State 50-Watt
Stereo Phono Music System**

Save ~~\$49.70~~ **\$229.50** \$12 monthly



**Deluxe Solid-State 50-Watt
Stereo Phono Music System**

Save ~~\$79.70~~ **\$279.50** \$14 monthly



**Superb 50-Watt Solid-State
Stereo Music System**

Save ~~\$75.70~~ **\$369.50** \$17 monthly

Knight-Kit KG-865 50-Watt Solid-State Stereo Amplifier Kit. Premium silicon transistors, distinctive styling. Inputs for tuner, phono, aux. Walnut case. **New Garrard SL55 4-Speed Automatic Turntable.** With new ultra-accurate Synchro-Lab motor. Cueing lever, automatic/manual operation. Base.

Pickering V15/ACE-3 Stereo Cartridge. Ellip. diamond stylus. 20-20,000 Hz. **Two Knight KN-2330K 3-Way Speaker Systems.** 12" woofer, 8" midrange, 3 1/2" tweeter. With finishing oil. Walnut veneer cabinet. With cables, hi-fi booklet. 99 lbs.

22 B 0690 L6Z. \$12 Monthly...229.50
Alternate System with KG-795 Stereo FM Tuner Kit. Save \$54.60. As above, but with silicon-transistor tuner kit. With oiled walnut case. Wt., 112 lbs.
22 B 0691 L8Z. \$15 Monthly...309.50

Knight-Kit KG-865 50-Watt Solid-State Stereo Amplifier Kit. New silicon transistor amplifier for the utmost in versatility and performance. Inputs for virtually every music source.

New Garrard SL65 4-Speed Automatic Turntable. With new Synchro-Lab motor, interchangeable spindles, anti-skating device, cueing control. Base. **Empire 888E Stereo Cartridge.** Elliptical diamond stylus. 10-30,000 Hz. **Two Knight KN-2260 3-Way Speaker Systems.** 12" woofer, 8" midrange, compression-type tweeter. Level control. Cables, booklet. 113 lbs.

22 B 0692 L6Z. \$14 Monthly...279.50
Alternate System with KG-795 Stereo FM Tuner Kit. Save \$86.60. As above, but with deluxe solid-state tuner kit. With oiled walnut case. Wt., 126 lbs.
22 B 0693 L8Z. \$17 Monthly...357.50

Knight-Kit KG-865 50-Watt Solid-State Stereo Amplifier Kit. Unique new silicon transistor circuitry eliminates all output and driver transformers.

New Garrard SL75 3-Speed Automatic Turntable. Synchro-Lab motor for superior accuracy. Stylus pressure assembly, anti-skate device, base.

Pickering V15/AME-3 Stereo Cartridge. Elliptical diamond stylus. Brush automatically cleans record grooves. 10-25,000 Hz.

Two Knight KN-2350B 3-Way Speaker Systems. Acoustic suspension 12" woofer, 8" midrange, 3 1/2" tweeter. Oiled walnut. Wt., 133 lbs.
22 B 0694 L6Z. \$17 Monthly...369.50
Alternate System with KG-795 Stereo FM Tuner Kit. Save \$85.60. Above, with FM tuner kit. Oiled walnut case. 146 lbs.
22 B 0695 L8Z. \$20 Monthly...444.50

You Get More for Your Money with a Knight-Kit Stereo System

ALLIED 447



knight-kit

STEREO HI-FI



Save \$54.75

\$219⁵⁰

\$11 monthly



Save \$67.16

\$249⁵⁰

\$13 monthly



Save \$117.70

\$339⁵⁰

\$16 monthly



Uncompromising Quality

HAVE THE FUN OF ASSEMBLING

Custom-Mount 70-Watt Stereo Phono System

Components Separately, \$274.25. Specially selected value system for outstanding performance and realistic stereo.

Knight-Kit KG-870 Solid-State Stereo Amplifier Kit. 35 watts per channel for faithful reproduction of the most complex musical passages. Less case.

New Garrard SL55 4-Speed Automatic Turntable. Synchro-lam motor. Cueing lever, tubular arm. With base.

New Empire 808E Elliptical Stereo Cartridge. Response of 10 to 20,000 Hz. Diamond stylus for improved tracking.

Two Knight KN-888HC 12" 3-Way Speakers. 12" woofer, axially-mounted midrange, compression horn tweeter. Fits 12" enclosure. Cables, plugs, booklet. Wt., 52 lbs.

22 B 0696 L5Z. \$11 Monthly. Express..... 219.50

See Amplifier, Tuner Cases on Pages 430-431.

ALTERNATE SYSTEM

Separately, \$374.20. Save \$58.70. Same high-quality components as above, plus Knight-Kit KG-765A Stereo FM-AM Tuner. Solid-state modular circuitry for life-like stereo-FM plus AM. Less wood case. Shpg. wt., 69 lbs.

22 B 0697 L6Z. \$16 Monthly. Express..... 315.50

Deluxe 70-Watt Stereo Phono System

Components Separately, \$316.66. Outstanding group of Hi-Fi components blend to bring you finest stereo performance. You enjoy kit savings plus big system savings and have the fun of building it yourself.

Knight-Kit KG-870 Solid-State Stereo Amplifier Kit. 70-watt all-transistor circuit for unparalleled enjoyment of finest stereo music. Includes oiled walnut case.

New Allied 919 Deluxe 4-Speed Automatic Turntable. Cueing control, anti-skate control. With base.

Empire 888E Elliptical Stereo Cartridge. .0009" x .0004" diamond needle. High-compliance. 10-30,000 Hz.

Two KN-3030A 3-Way 12" Speaker Systems. 12" low-frequency woofer, 6 1/2" midrange, 3 1/2" cone-type tweeter. Oiled walnut veneer. Cables, plugs, booklet.

22 B 0698 L6Z. Wt., 92 lbs. \$15 Monthly. Express..... 249.50

ALTERNATE SYSTEM

Separately, \$433.55. Save \$78.05. Same outstanding components as above, plus Knight-Kit KG-765A Stereo FM-AM Tuner. Delivers brilliant FM and crisp, clear wideband AM. With oiled walnut wood case. Express.

22 B 0699 L8Z. Shpg. wt., 109 lbs. \$17 Monthly..... 355.50

Supreme 70-Watt Stereo Phono System

Components Separately, \$457.20. Exceptional grouping of quality components will delight you with professional quality performance. Get kit savings plus \$117.70 off cost of components bought separately!

Knight-Kit KG-870 Solid-State Stereo Amplifier Kit. 70 watts of superb sound for concert-hall quality stereo music. Full-featured throughout. Oiled walnut case included.

New Garrard SL75 Automatic Turntable. Synchro-Lab motor for amazing accuracy. All new features. With deluxe base.

Pickering V15/AME-3 Elliptical Stereo Cartridge. .0009" x .0004" diamond stylus. "Dustomatic" record brush.

Two Knight KN-2300C 3-Way Acoustic-Suspension Speaker Systems. 12" woofer, midrange horn, high-frequency tweeter. 25-20,000 Hz. Walnut veneer. Cables, plugs.

22 B 0559 L6Z. Wt., 134 lbs. \$16 Monthly. Express. 339.50

ALTERNATE SYSTEM

Separately, \$574.10. Save \$124.60. Same exceptional components as above, plus Knight-Kit KG-765A Stereo FM-AM Tuner. Dazzling stereo FM and wide-band AM. Includes oiled walnut case. Shpg. wt., 151 lbs.

22 B 0560 L8Z. \$20 Monthly. Express..... 449.50

and Superb Sound with a Knight-Kit System

OUR OWN PREMIUM-QUALITY STEREO MUSIC SYSTEMS

120-Watt Stereo Phono Music System

Components Separately, \$404.20. Enjoy this magnificent selection of quality components that deliver beautifully life-like stereo performance.

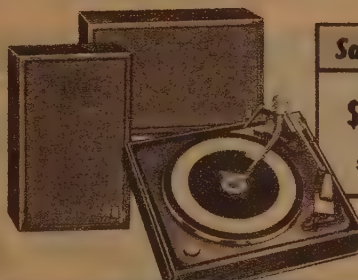
Knight-Kit KG-895 Solid-State Stereo Amplifier Kit. 60 watts per channel for finest reproduction of even the most powerful music passages. With oiled walnut case.

New Garrard SL65 Automatic and Manual Turntable. Synchro-Lab motor drives turntable at 4 accurate speeds. Base.

Empire 888E Elliptical Stereo Cartridge. 15° .0009" x .0004" needle. Wide separation. 10-30,000 Hz.

Two Knight KN-3030A 3-Way Speaker Systems. 12" woofer, midrange, 3½" tweeter. Oiled walnut veneer. With cables, plugs, hi-fi booklet. Shpg. wt., 108 lbs.

2 B 0019 16Z. \$16 Monthly. Express. 329.50



Save \$74.70

\$329⁵⁰

\$16 monthly

ALTERNATE SYSTEM

Components Separately, \$574.10. **Save \$74.60.** Same choice components as above, plus Knight KG-790 FM-AM Tuner Kit. Hear truly life-like stereo-FM, plus brilliant FM and wide-band M. Includes oiled walnut wood case. Express.

2 B 0021 18Z. Shpg. wt., 135 lbs. \$21 Monthly. 499.50



Deluxe 120-Watt Stereo Phono Music System

Components Separately, \$469.75. Designed to delight even the most experienced listener with its exceptional stereo performance. Plus you save \$70.25 off cost of components bought separately.

Knight-Kit KG-895 Solid-State Stereo Amplifier Kit. 70 watts per channel for unparalleled stereo music. Full range of controls. With oiled walnut case.

New Garrard SL75 4-Speed Automatic Turntable. Amazingly accurate Synchro-Lab motor. Latest features. Deluxe base.

Empire M44E Elliptical Stereo Cartridge. .0007" x .0004" diamond needle. 20-20,000 Hz. Wide separation.

Two Knight KN-2260 3-Way 12" Speaker Systems. 12" high-impedance woofer, 8" midrange, VHF compression tweeter. With cables, plugs, booklet. Wt., 132 lbs.

2 B 0021 16Z. \$18 Monthly. Express. 399.50



Save \$70.25

\$399⁵⁰

\$18 monthly

ALTERNATE SYSTEM

Components Separately, \$639.65. **Save \$80.15.** Same exceptional components as above, plus Knight-Kit KG-790 FM-AM Tuner. Free from hum, noise, heat and distortion. Advanced solid-state Stereo. With oiled walnut wood case. Exp.

2 B 0022 18Z. Shpg. wt., 159 lbs. \$24 Monthly. 559.50



Finest 120-Watt Stereo Phono Music System

Components Separately, \$530.20. The most demanding connoisseur will be satisfied with the purity of tone from this amplifier. Plus you save \$70.70 off cost of components bought separately.

Knight-Kit KG-895 Solid-State Stereo Amplifier Kit. All transistor circuitry throughout insures finest reproduction of the most complex music passages. With walnut case.

New Garrard SL75 Automatic, Manual 4-Speed Turntable. Synchro-Lab motor. Cuing, anti-skate control. Base.

Pickering V15/AME-3 Elliptical Stereo Cartridge. 15° .0009 x .0002" diamond needle. 10-25,000 Hz.

Knight KN-2350B 12" 3-Way Acoustic-Suspension Shelf Speaker Systems. 12" woofer, midrange horn, VHF horn tweeter. Oiled walnut. Cables, plugs, booklet. Wt., 152 lbs.

2 B 0048 16Z. \$20 Monthly. Express. 459.50



Save \$70.70

\$459⁵⁰

\$20 monthly

ALTERNATE SYSTEM

Components Separately, \$700.10. **Save \$80.60.** Same choice selection as above, plus Knight-Kit KG-790 Stereo FM-AM Tuner Kit. All solid-state circuitry for finest stereo-FM, realistic FM, plus wideband AM. Includes walnut case. Exp.

2 B 0049 18Z. Shpg. wt., 179 lbs. \$26 Monthly. 619.50





knight-kit

STEREO SYSTEMS

FM-AM Phono Systems

FEATURING KG-964 64-WATT RECEIVER



Save \$64.70

\$319⁵⁰

\$16 monthly

KG-964 Receiver Kit,
New Garrard SL55 Auto-
matic Turntable, Cartridge,
2 New KN-2310
Compact Speaker Systems



Save \$84.70

\$389⁵⁰

\$18 monthly

KG-964 Receiver Kit,
New Garrard SL65 Auto-
matic Turntable, Empire
Cartridge, 2 KN-2330
Speaker Systems



Save \$90.25

\$449⁵⁰

\$20 monthly

KG-964 FM-AM Receiver
Kit, New Garrard SL75
Automatic Turntable, Shure
Cartridge, 2 New KN-
2300C Speaker Systems



"Good" 64-Watt Receiver System

Knight-Kit KG-964 64-Watt Solid-State Receiver Kit. Our best FM-AM receiver kit. Automatic stereo FM switching. Sensitive AM. Full array of inputs, outputs. Walnut veneer case.

New Garrard SL55 4-Speed Automatic Turntable. Revolutionary new Synchro-Lab motor for ultra-precision speed control. Automatic/manual operation; automatic intermix; shutoff. With base.

New Pickering V15/ACE-3 Stereo Cartridge. Elliptical diamond stylus angled 15° for better tracking. Floating head protects records. With Dustamate brush.

Two Knight KN-2310 2-Way Speaker Systems. New ultra-compact acoustic suspension system with 4" woofer, 3 1/2" tweeter. Crossover at 4500 Hz. Response, 50-18,000 Hz. 5/8x1 1/2x7". Oiled walnut veneer. With cable, plugs, instructions and system book. 66 lbs. Express, 22 B 0066 L6Z. \$16 Monthly. . . . 319.50

"Better" 64-Watt Receiver System

Knight-Kit KG-964 64-Watt Solid-State Receiver Kit. 64-watt stereo FM-AM receiver offers flawless reproduction. Money-saving, easy-to-build kit form. Hand-rubbed oiled walnut veneer case.

Garrard SL65 Automatic Turntable. New Synchro-Lab motor, 4 speeds, automatic or manual operation, automatic shutoff. Stylus pressure adjustment, cueing lever, and counterweighted, balanced pickup arm. With base.

Empire 888E Stereo Cartridge. High compliance. Elliptical diamond stylus. 10-30,000 Hz. Tracks at 3/4 to 6 grams.

Two Knight KN-2330 3-Way Speaker Systems. 12" woofer, 8" midrange, 3 1/2" tweeter. Built-in frequency level control. 30-18,000 Hz. Oiled walnut veneer. 14 1/2x24x10". With plugs, cables, hi-fi booklet. Wt., 116 lbs. Express, 22 B 0084 L6Z. \$18 Monthly. . . . 389.50

"Best" 64-Watt Receiver System

Knight-Kit KG-964 64-Watt Solid-State Receiver Kit. Sensitive stereo, FM and AM. Powerful 64-watt output. Exclusive "Test-As-You-Build" feature lets you check your work as you build. With hand-rubbed oiled walnut veneer case.

New Garrard SL75 Automatic Turntable. New Synchro-Lab motor assures speed accuracy to ±.3%. Three speeds, automatic or manual operation, anti-skate control, cueing control. Automatic spindle telescopes for single play. Deluxe base.

Shure M44E Stereo Cartridge. High compliance. Elliptical diamond stylus. 20-20,000 Hz. Tracks at 1 1/4 to 4 grams.

New Knight KN-2300C 3-Way 12" Speaker Systems. Efficient system with 12" acoustic suspension woofer. Level control. Crossovers: 1000, 5000 Hz. 25-20,000 Hz. 14x25x13 1/2". Oiled walnut veneer. With cables, plugs, hi-fi booklet. Wt., 148 lbs. Express, 22 B 0125 L6Z. \$30 Monthly. . . . 449.50

High Quality Low-Cost Knight-Kit Stereo Systems

FEATURE TOP-PERFORMANCE KG-250 STEREO AMPLIFIER KIT

Custom Installation Stereo System

Save \$14.40 from cost of individual components. Perfect for your own personalized installation, this wide-range system offers excellent sound reproduction and sizeable savings.

Knight-Kit KG-250 24-Watt Stereo Amplifier Kit. Easy-to-assemble and tastefully styled. Produces 12 watts (24 watts peak) IHF output power on each channel. Other features: RIAA equalized preamps for magnetic phono; DC on preamp filaments for low hum; complete set of controls; phono, tuner and aux. inputs.

Garrard Model 30 4-Speed Automatic Turntable. Includes ceramic cartridge and diamond stylus. Four speeds; automatic intermix of record sizes; two spindles (for automatic or manual operation); large, weighted turntable. Order base below.

Two Knight KN-822HC 12" 2-Way Hi-Fi Speakers. Ideal high compliance speakers for custom mounting. Dual-cone design with high-frequency radiator-type cone provides excellent reproduction over entire audio spectrum. 25-13,000 Hz. Cables, plugs, hi-fi booklet. Wt., 41 lbs.
 22 B 0148 L4U. \$5 Monthly. **\$99.95**
 13 B 3153 X, Garrard 30 Base, 5 lbs. **\$4.95**
 22 B 3030 W, Oiled Walnut Wood Case. For KG-250, KG-50. 4 lbs. **\$12.95**



Save \$14.40

\$99.95

\$5 monthly

KG-250 Amplifier,
Garrard Automatic
Turntable with
Cartridge, KN-822HC
Speaker Systems

Alternate System with FM-AM Tuner Kit

Save \$19.35. As above, also includes KG-50 Stereo FM-AM Tuner Kit. FM front-end, multiplex and IF coils are factory assembled and aligned for peak performance and simplified construction. Less case. 53 lbs. Express.

22 B 0186 L5Z. \$9 Monthly. **\$164.95**



Compact Stereo Phono System

Save 21% from cost of individual components. Deluxe compact bookshelf-size phono system offers impressive stereo realism.

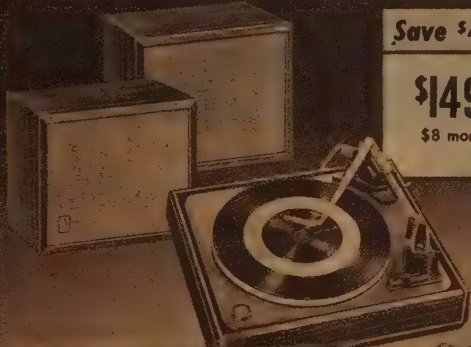
Knight-Kit KG-250 24-Watt Stereo Amplifier Kit. Enjoy true hi-fi sound with this easy-to-assemble stereo amplifier kit. Frequency response of ± 1 dB, 30-15,000 Hz at full rated power. Selector switch for stereo, stereo reverse, or monaural modes, as well as phono, tuner or aux. inputs. With oiled walnut case.

Garrard SL55 4-Speed Automatic Turntable. Features new Synchro-Lab motor that provides turntable speeds with the precision of a fine watch. Cuing lever lets you raise or lower tone arm without touching it. Counterbalanced pick-up arm has easy stylus pressure adjustment. Two interchangeable spindles and base.

Empire 808E Stereo Cartridge. Elliptical diamond stylus for distortion-free tracking.

Two Knight KN-3002 8" Speaker Systems. Shelf-size systems feature true 2-way design. An 8" woofer produces lows to 50 Hz, while the $3\frac{1}{2}$ " direct radiator VHF tweeter gives clean highs to 15,000 Hz. $12\frac{1}{2} \times 15 \times 9$ ". With all connecting cables, plugs and instructions. Shpg. wt., 68 lbs. Express.

22 B 0188 L6Z. \$8 Monthly. **\$149.95**



Save \$42.25

\$149.95

\$8 monthly

KG-250 Amplifier,
Garrard SL55
Turntable, Empire
Cartridge, KN-3002
Speaker Systems

Alternate System with FM-AM Tuner Kit

Save \$47.15. Complete stereo system above, plus Knight-Kit KG-50 Stereo FM-AM Tuner Kit. Excellent reception, even in fringe areas. Features "exclamation point" tuning indicator. Oiled walnut case. Shpg. wt., 84 lbs.

22 B 0241 L8Z. \$12 Monthly. **\$227.95**



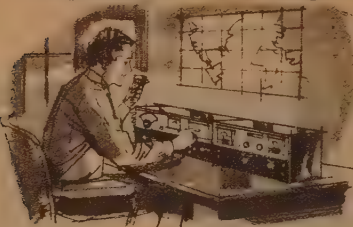
You Need No Money Down . . . Take Up to Two Years to Pay

ALLIED 451

Top-Value Knight-Kit Amateur Radio Equipment

FINEST HAM GEAR VALUES ON-THE-AIR

- ★ MAXIMUM VALUE FOR YOUR KIT DOLLAR
- ★ ADVANCED DESIGN AND TOP PERFORMANCE
- ★ COMPLETE EASY-TO-FOLLOW INSTRUCTIONS
- ★ EXCLUSIVE NEW ENGINEERING FEATURES
- ★ DEPENDABLE, PREMIUM-QUALITY PARTS



For the novice to the old-timer, Knight-Kit Amateur radio equipment offers the finest in value for everyone. These outstanding kits are designed by skilled engineers, Hams themselves, to meet the highest standards of performance. Every piece of Knight-Kit Ham gear is designed with a thorough understanding of the needs of today's Amateur operators for maximum efficiency, versatility, dependability

and operating ease. Each kit comes with all parts, pre-cut wire, solder and complete step-by-step instructions, plus giant-size illustrations which simplify and speed assembly. Only Allied's tremendous purchasing power makes it possible to offer these top-quality kits to you at such incomparably low cost. Get on the air now with a performance-proven Knight-Kit Amateur radio station.

NEW
knight-kit
AMATEUR EQUIPMENT

T-175 Linear Amplifier Kit For 6 and 10-Meter SSB/AM/CW



\$99⁹⁵

\$5
monthly

- Up to 300 Watts PEP SSB Input
- Covers 6, 10 and 11*-Meter Bands
- Pi-Net Output Matches 50-70 Ohms

- Up to 150 Watts CW, to 120 Watts AM
- Perfect Match for TR-106 Transceiver
- Forced-Air Cooling Fan for Transmit

New 6-and-10/11*-meter linear amplifier kit puts extra power in your Hamshack for less than a dollar per watt. Delivers plate power input of up to 300 watts PEP on SSB, 120 watts AM, and 150 watts CW. Drive requirements are 1-15 watts PEP SSB, 1-4 watts AM, 1-7 watts CW (50-ohm, 5-watt swamping resistor supplied for higher power exciters).

Two illuminated meters for plate current and combination grid current/relative power. Internal, automatic antenna changeover circuit for SSB, AM and low speed CW—no internal connections to transceiver required. Rugged fan for forced air cooling during transmit. Thermal radiators on plate caps. Standard SO-239 coaxial connectors.

Input impedance, 50 ohms nominal; output impedance, 50-70 ohm pi matching network. Size, 5 1/2 x 13 1/2 x 11" deep. Coils supplied for *26.960-29.700 MHz, and 50-54 MHz. With all parts, wire, solder and detailed instructions. For 110-130 V, 60 Hz AC. Shpg. wt., 22 lbs.

22 B 3463 KW. \$5 Monthly. 99.95

SPECIFICATIONS

Frequency Coverage: *26.960 to 29.700 MHz and 50-54 MHz. **Plate Power Input** (Depends on input drive level): AM, 120 watts carrier max.; CW, 150 watts carrier max.; SSB, 300 watts PEP max. **Drive Requirements:** AM, 1-4 watts; CW, 1-7 watts; SSB, 1-15 watts PEP max. **Class of Operation:** Class B₂, grounded grid, triode connected beam pentodes. **Input Impedance:** 50 ohms nominal. **Output Impedance:** Pi-matching network for 50-70 ohm loads with a VSWR of 3:1 or less. **Tubes:** 6JE6A output amplifiers; 12AT7 relay amp. **Primary input:** 110-130 volts, 60 Hz AC; 220 watts max. 45 watts standby.

*Illegal for Class D CB Operation in U.S.A.

knight-kit 6- and 2-Meter Transceiver Kits

WITH BUILT-IN SOLID-STATE 110-130 VAC/12 VDC POWER SUPPLY

Expert Appraisal of the TR-106

"... the signal sounded fine, was over \$9, and had no drift ... a few nights to build."

73 Magazine

What Experts Say of the TR-108

"... a good modern transceiver, ready for either mobile or fixed operation ... See you on two with a TR-108."

73 Magazine



TR-106 6-Meter Transceiver Kit. Performance-proven Knight-Kit 6-meter transceiver is ideal for shack or mobile. Nuvisor RF and crystal-controlled mixer stages are factory-assembled and aligned for construction ease. Dual-conversion receiver section boasts $0.5\mu\text{V}$ sensitivity. AVC action prevents blasting and ANL cuts ignition and pulse-type interference.

Efficient three-stage transmitter has doubler, tripler and straight-through final amplifier. 15 watts input. Plate and screen modulation for low distortion and excellent linearity. Deluxe features include: separate AF and RF gain controls; frequency spot switch; automatically switched, illuminated "S"/RF meter; illuminated vernier-drive tuning dial; transmit indicator light. Front-panel jack for low-im-

pedance headphones or external speaker. Built-in front-mounted speaker. Three front-panel crystal jacks. Rear panel VFO input, VFO power output. Pi-network output matches 30-90 ohm antenna impedances. Standard SO-239 coaxial antenna connector. Built-in solid-state power supply for 110-130 V, 60 Hz AC and 12 VDC neg. ground. With noise-canceling push-to-talk mike, metal case, detailed instructions. $5\frac{1}{2} \times 13\frac{1}{2} \times 11"$. Order crystals or VFO below. Shpg. wt., 22 lbs.

22 B 3460 KW. \$7 Monthly..... 139.95

Knight-Kit TR-108 2-Meter Transceiver Kit. As above, but covers 144-148 MHz. Has tube-type RF stage. Sensitivity, 1.0 μV . Shpg. wt., 22 lbs.

22 B 3462 KW. \$8 Monthly..... 144.95

TR-106 AND TR-108 SPECIFICATIONS

RECEIVER. Coverage: 6 meters, 50-52 MHz; 2 meters, 144-148 MHz. Input Impedance: 50 ohms. Sensitivity: 0.5 μV for 6 meters; 1.0 μV for 2 meters. Selectivity: 8-kHz bandwidth at 6 dB down. Audio Output: More than 5 watts @

10% distortion. **TRANSMITTER.** RF Power Input: 15 watts nominal. Output Impedance: 30-90 ohms; pi-net coupling. Modulation: AM (hi-level plate and screen). Frequency Control: Fundamental (8 MHz) crystals or VFO.

ACCESSORIES FOR TR-106 AND TR-108 TRANSCEIVER KITS

22 B 3140 W. Base for Desk-Top Use. Wt., 5 lbs..... 6.95
17 B 9404 CS. 6-Meter Crystal. Specify 8340-8460 kHz—will be supplied within ± 5 kHz. Shpg. wt., 3 oz..... 2.95

22 B 3129 W. Mobile Mount. Wt., $2\frac{1}{2}$ lbs..... 7.50
17 B 9402 CS. 2-Meter Crystal. Specify 8000-8222 kHz—will be supplied within ± 5 kHz. Shpg. wt., 3 oz..... 2.95

Companion Model V-107 VFO for 6 or 2 Meters

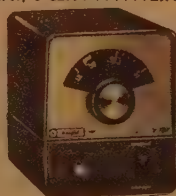
VFO kit for use with 6 or 2-meter transceiver kits. Utilizes Clapp Oscillator circuit, carefully temperature compensated, for maximum stability. Voltage-regulator-stabilized DC supply for oscillator. Power is drawn from transceiver kit. Has easy-to-read, backlighted dial calibrated for 6 and 2 meters. Smooth, effortless vernier-tuning drive. B+ switch and indicator light allow for standby operation. Overall size, $5\frac{1}{2} \times 4\frac{1}{4} \times 6\frac{1}{4}"$. With all parts, wire, solder and step-by-step instructions. Shpg. wt., 5 lbs.

22 B 3461 W. \$5 Monthly..... 24.95

\$24⁹⁵

\$5 monthly

Temperature-Compensated Circuit



See Pages 454 and 455 for Complete 6- and 2-Meter Outfits

ALLIED 453

knight-kit TR-106 6-Meter Kit Outfits



Save
\$8.90

\$162⁹⁵

\$9
monthly

Knight-Kit TR-106 3-pc. Base Station Outfit

- Transceiver Covers 50-52 MHz and 49.980 MARS
- Sensitive Dual-Conversion Receiver Circuit
- VFO Has Temperature-Compensated Circuit
- With Noise Canceling Push-to-Talk Mike

Separately, \$171.85. Save \$8.90 on this base-station outfit for VHF communications. Includes: Knight-Kit TR-106 6-Meter Transceiver Kit, Knight-Kit V-107 VFO Kit for 6 or 2 Meters, Desk-Top Base for Transceiver and VFO. TR-106 offers dual-conversion receiver with 0.5 microvolt sensitivity; effective AVC and ANL action; three-stage transmitter; separate AF and RF gain controls. Automatically switched, illuminated "S" meter/RF meter. Illuminated vernier-drive tuning dial. Transmit indicator light on front panel. VFO features voltage-regulated DC supply for oscillator; temperature-compensated circuit. Transceiver size, 5½x13½x11". VFO size, 5½x4¼x6¼". For 110-130 V, 60 Hz AC. Shpg. wt., 32 lbs.

22 B 0495 L3KW. \$9 Monthly..... 162.95



Save
\$8.55

\$161⁷⁵

\$9
monthly

Knight-Kit TR-106 Mobile Station Outfit

- 15 Watts Input Power to Transmitter
- Hi-Level Plate and Screen Modulation
- Front-End Factory Assembled and Aligned

Separately, \$170.30. Save \$8.55 on this 6-meter mobile station outfit offering ease of operation and attractive styling for your car. Outfit includes: Knight-Kit TR-106 6-Meter Transceiver; Mobile Mounting Bracket for mounting your transceiver to the angle just right for your particular needs; Cush-Craft AM-6M 6-Meter Mobile Antenna; 20-Feet of RG58/U Foam Coax with PL-259 Connector; Rugged Stainless Steel Bumper Mount. Covers 50-52 MHz and 49.980 MARS; has sensitive dual-conversion receiver; front-end completely factory assembled and aligned; 3-stage transmitter circuit. Solid-state power supply for 12-volts negative ground. Complete with all parts and detailed instructions. Shpg. wt., 31 lbs. Requires VFO or Crystals.

22 B 0150 L4KW. \$9 Monthly..... 161.75



Save
\$9.90

\$188⁹⁵

\$10
monthly

Knight-Kit TR-106 Base Station Outfit

- VFO Has B+ Switch and Indicator Light
- Everything Necessary for Base Station
- 3-Stage Transmitter • Deluxe Antenna

Separately, \$198.85. Save \$9.90 on this 6-meter base station outfit. After a few hours of building, you're on the air with a deluxe VHF transceiver. Base station outfit includes: Knight-Kit TR-106 6-Meter Transceiver Kit; Knight-Kit V-107 VFO Kit; Desk-Top Base for positioning transceiver to the correct slope; Cush-Craft A50-5 6-Meter Beam Antenna delivers a powerful signal; 50-Feet of RG58/U Foam Coax with PL-259 Connectors. Transceiver has sensitive dual-conversion receiver with 0.5 microvolt sensitivity; three-stage transmitter—doubler, tripler and straight-through final amplifier; VFO has illuminated dial scales, temperature compensated circuit. For 110-130 V, 60 Hz AC. Shpg. wt., 49 lbs.

22 B 0151 L5ZW. \$10 Monthly..... 188.95

ARRL Amateur VHF Handbook

Covers all subjects necessary for VHF communications, including transmitter and receiver construction. A must for the Amateur Radio Operator who wants maximum performance from his rig. 314 pages. Shpg. wt., 1 lb.

22 B 3195 EW..... 2.00

Accessories for Base Station Outfits

11 B 1555 W. Alliance T-45 Antenna Rotator. For above. Less cable. Shpg. wt., 10 lbs..... 23.98
11 B 1513. 5-Cond. Cable. For above. 3½ lbs..... 3.69
17 B 9404 CS. Transmit Crystals. 8.340-8.450 MHz. Specify Frequency. Supplied within ±5 kHz. Shpg. wt., 3 oz..... Each 2.95

Knight-kit TR-108 2-Meter Kit Outfits

Knight-Kit TR-108 3-pc. Base Station Outfit

- With Noise Canceling Push-to-Talk Mike
- Sensitive Dual-Conversion Receiver Circuit
- Transceiver Covers 144 to 148 Megahertz
- VFO Has Temperature-Compensated Circuit

Separately, \$176.85. Save \$8.90 on this 2-meter station offering the finest in VHF communications at moderate cost. Includes: Knight-Kit TR-108 2-Meter Transceiver Kit; Knight-Kit V-107 VFO Kit for 2 or 6 Meters; Desk-Top Base for Transceiver and VFO. TR-108 offers dual-conversion receiver with effective AFC and ANL action; three-stage transmitter; separate AF and RF gain controls. Automatically switched, illuminated "S" meter, relative RF output meter. Illuminated, vernier-drive tuning dial. Transmit indicator light on front panel. VFO features voltage-regulated DC supply for oscillator; temperature-compensated circuit. Transceiver size, $5\frac{1}{2} \times 13\frac{1}{4} \times 11$ ". VFO, $5\frac{1}{2} \times 4\frac{1}{4} \times 6\frac{1}{4}$ ". For 110-130 volts, 60 Hz AC. Shpg. wt., 32 lbs.

22 B 0140 L3KW. \$9 Monthly..... 167.95



Save
\$8.90

\$167⁹⁵

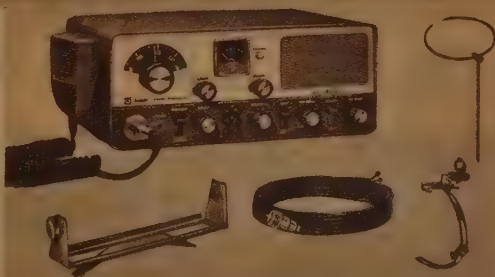
\$9
monthly

Knight-Kit TR-108 Mobile Station Outfit

- Has Full 15 Watts Input Power to Transmitter
- Features Hi-Level Plate and Screen Modulation
- Front-End Factory Assembled and Aligned

Separately, \$171.30. Save \$8.80 on this 2-meter mobile station outfit offering unparalleled quality and design features. Outfit includes: Knight-Kit TR-108 2-meter Transceiver Kit; Mobile Mtg. Bracket for Mounting the Transceiver at just the Right Angle; Cush-Craft AM-2M 2-Meter Mobile Antenna, 20-Foot of RG58/U Foam Coax with PL-259 Connector, Rugged Stainless Steel Bumper Mount. TR-108 transceiver covers 144 to 148 MHz; has sensitive dual-conversion receiver; front-end completely factory assembled and aligned; 3-stage transmitter has oscillator-tripler, buffer tripler and doubler final. Solid-state power supply for 12 VDC negative ground. Complete with all parts and instructions. Shpg. wt., 31 lbs. Requires VFO or crystals.

22 B 0152 L4KW. \$9 Monthly..... 162.50



Save
\$8.80

\$162⁵⁰

\$9
monthly

Knight-Kit TR-108 Base Station Outfit

- Illuminated Vernier-Drive Tuning Dial
- Everything Necessary for Base Station Operation
- VFO Has B+ Switch and Indicator Light

Separately, \$197.30. Save \$10.05 on this 2-meter base station outfit. Everything you need for a deluxe VHF Amateur Radio station—just a few hours of construction. Outfit includes: Knight-Kit TR-108 2-Meter Transceiver Kit; Knight-Kit V-107 VFO Kit; Desk-Top Base that positions transceiver to VFO for operating ease; Cush-Craft A-144-11 2-Meter Beam Antenna; 50-Foot of RG58/U Foam Coax with PL-259 Connectors. Transceiver has sensitive dual-conversion receiver; high-level plate and screen modulation transmitter; pi-matching network for 30-90 ohms. VFO has temperature-compensated circuit; Complete with mike, instructions. For 110-130 volts, 60 Hz AC. 42 lbs.

22 B 0153 L5ZW. \$10 Monthly..... 187.25



Save
\$10.05

\$187²⁵

\$10
monthly

Accessories for Base Station Outfits

11 B 1555 W. Alliance T-45 Antenna Rotator. For above. Less cable. Shpg. wt., 10 lbs..... 23.98
11 B 1513. 5-Con. Cable. For above. $3\frac{1}{2}$ lbs. 3.69
17 B 9402 CS. Transmit Crystals. 8,000-8,222 MHz. Specify Frequency. Supplied within ± 5 kHz. Shpg. wt., 3 oz..... Each 2.95

Radio Amateur VHF Handbook

A must for the Amateur Radio Operator who wants maximum performance out of his VHF rig. 210 pages cover transmitters, receivers, antenna theory and construction, and many other areas of VHF communications. Shpg. wt., 10 oz.

22 B 3238 EW..... 2.95



Get The Transceiver Outfit You Want Now on Allied's Credit Fund Plan

ALLIED 455



knight-kit

AMATEUR GEAR

Feature-Packed Transmitter

**TOP AM TALK-POWER
AND CLEAN CW ON 6 BANDS**

CONVENIENCE FEATURES



Single-Knob
Bandswitching



Relative Power
Output Meter



Controlled-Carrier
Screen Modulation



\$59⁹⁵

\$5 monthly

T-60 60-Watt CW/Peak AM Transmitter Kit

- CW and AM on 80 through 6-Meter Ham Bands
- 60 Watts CW/Peak AM Input on 80-10 Meters
- Controlled-Carrier Screen Modulation on AM
- Clean 4-Stage Simultaneous Cathode Keying
- Silicon Rectifier High-Voltage Power Supply
- Relative Power Output Meter for Easy Tuning

Easy-to-build first rig for novice, technician and Ham-to-be; great "second rig" for the seasoned Amateur too. Runs 60 watts CW and peak AM phone input on 80-10, slightly less on 6 meters. Controlled-carrier screen modulation on AM. Clean simultaneous keying with bias resistor (no high-voltage at key). "Tune" position protects final amplifier during tune-up. 6DQ6B final works straight-through on all bands but 6 meters, where it doubles. TV1 filtered. Convenient single-knob bandswitching.

Relative power output meter for easy tuning. Adjustable pi-coupler matches 40-600 ohm antennas. Fused silicon rectifier high-voltage power supply, and much more. Requires VFO or crystals. Rear panel provides 410 VDC and 6.3 VAC for accessories; relay switching terminals. With all parts and full instructions.

22 B 3294 W. Shpg. wt., 15 lbs. \$5 Monthly.....**59.95**

**Radio Amateur's
Handbook**



Latest A.R.R.L. edition. The Ham's "Bible." Theory, equipment, construction, operating practices for HF, VHF, UHF, phone, CW, SSB. 700 pages, 6 1/2" x 9 1/2", 2 lbs. 22 B 3228 EW.....4.00

CRYSTALS FOR T-60—SUPPLIED WITHIN ± 5 kHz

17 B 9381 CS. 3500-3900 kHz. 80 meters. Specify frequency. 3 oz.	Each 2.95
17 B 9403 CS. 7000-7334 kHz. 40-10 meters. Specify frequency. 3 oz.	Each 2.95
17 B 9404 CS. 8340-8450 kHz. 6 meters. Specify frequency. 3 oz.	Each 2.95

T-60 SPECIFICATIONS

Bands: 80, 40, 20, 15, 10, and 6 meters. Modes: controlled-carrier AM phone or CW. Power Inputs: 60 watts CW/Peak AM input on 80 through 10 meters, less on 6 meters. Frequency Control: crystals or external VFO. Output Coupling: pi-network. Output Impedance: 40-600 ohms (SO-239 coaxial connector). Power Req.: 110-130 V, 60 Hz AC. Power Consumption: 110 watts. Tubes: 6FH8 osc./buffer mult., 12AX7 speech amp/1st audio, 6DR7 driver/mod. 6DQ6B final RF amplifier. Size: (HWD) 5x12x7".

R-55A Amateur/Shortwave Receiver Kit

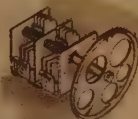
CHECK THESE DELUXE FEATURES OF THE KNIGHT-KIT R-55A



Huge Edge-Lit
Slide-Rule Dial



Modular Coil
Assemblies



Calibrated Electrical
Bandspread



Two 1650-kHz
IF Amplifiers



A PERFECT "FIRST" STATION

Ideal match for the T-60 Transmitter on facing page. R-55A has six calibrated scales for the 80 through 6 meter Amateur bands. Gray metal cabinet matches T-60 Transmitter kit styling.

Knight-Kit R-55A Communications/Ham Receiver Kit

Tunes 530 kHz to 36 MHz plus VHF from 47 to 54 MHz

- Smooth Flywheel-Loaded Main Tuning
- Convenient Front-Panel Headphone Jack
- Calibrated Electrical Bandsread
- AVC to Reduce Fading and Blasting
- Built-In 3 1/2" Speaker • Noise Limiter • BFO
- Easy-to-Assemble Modular Coil Assemblies

This popular receiver tunes the standard AM broadcast band and worldwide shortwave from 530 kHz to 36 MHz, plus VHF from 47 to 54 MHz. Six separate direct-reading scales are calibrated for the 80 through 6 meter Amateur bands. Flywheel-loaded main tuning and bandspread dials—plus huge illuminated slide-rule scales—for smooth, effortless station selection. Fused, transformer-type power supply.

Self-contained speaker; headphone jack; variable BFO; AVC; antenna trimmer; standby switch. Also has provision for "building-in" crystal calibrator, listed below. Gray metal cabinet matches T-60 Transmitter Kit styling on facing page. With all parts, and easy-to-follow instructions. Shpg. wt., 24 lbs.

22 B 3417 KW. \$5 Monthly.....64.95

ACCESSORIES FOR R-55A RECEIVER KIT

- 22 B 3256 W. Crystal Calibrator Kit. Gives 100-kHz markers. 1 lb.....11.95
- 22 B 3257 W. Dual Headset and Phone Plug. Wt., 1 lb.....2.75
- 22 B 3099 W. Outdoor Antenna Kit. Wire, lead-in hardware. Wt., 1 lb.....1.39

R-55A SPECIFICATIONS

Ranges: Band A, 530 to 1900 kHz; Band B, 1.8 to 6.3 MHz; Band C, 6 to 14.5 MHz; Band D, 11.5 to 36 MHz; Band E, 47 to 54 MHz. Image rejection: 42 dB at 80 meters; 14 dB at 6 meters. Intermediate Frequency: 1650 kHz (two stages of amplification). Tubes: 6BE6 mixer/oscillator, 6BZ6 1st IF amp, 6AW8A 2nd IF amp/audio driver, 6AW8A BFO/audio output, 6AL5 detector-AVC/noise limiter, EZ90 rectifier. Size: 8 3/4 x 14 3/4 x 10 1/4". Power requirements: 110-130 volts, 60 Hz AC. Power Consumption: 60 watts.

\$64⁹⁵

\$5 monthly

Radio Handbook 17th Edition

Ideal Amateur Text on
Theory and Construction



Complete volume on radio practice. Covers basic electricity through design and construction of advanced equipment. Includes schematics. Hard cover. 847 pages. 2 lbs.

22 B 3362 EW.....12.95

Get On the Air With A Knight-Kit—Use Our Credit Fund Plan

ALLIED 457



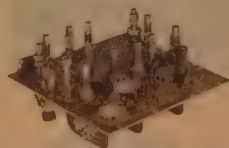
knight-kit
AMATEUR GEAR

**Get In on the Shortwave Fun
with Our Best Receiver Kit**



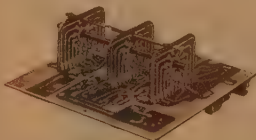
Matching S-8A Speaker Kit
Specially Designed to
Peak Voice Frequencies
(optional)

**Special Features for
Time-Saving Assembly
and Peak Performance**



TWO PRINTED CIRCUIT BOARDS

Virtually all circuits (RF, oscillator, converter, voltage regulator, IF, audio, BFO and rectifier stages) are on two printed circuit boards. This greatly simplifies assembly and makes a very important contribution to stability and overall performance.



PRINTED CIRCUIT BANDSWITCH

This special Knight-Kit innovation reduces your assembly time to a minimum. You simply plug the bandswitch into the RF printed circuit board to make 32 error-free connections simultaneously! Eliminates critical lead dress, too—you won't go wrong!



Shown with optional S-meter

\$109⁹⁵

\$6 monthly

- Sensitivity Better Than $1\frac{1}{2}$ Microvolts for 10 dB S/N
- All-Mode Q-Multiplier Peaks Signals or Nulls QRM
- Selectivity Continuously Variable from 300 to 4500 Hz
- Covers 540 kHz to 30 MHz in 4 Bandswitched Ranges
- Calibrated Electrical Bandspread for 80-10 Meter Bands

A long-time favorite with Ham and seasoned shortwave listener alike, this superb communications receiver is truly tops in its price class. Jam-packed with up-to-the-minute features, the R-100A brings you the selectivity, sensitivity and stability of higher priced factory-assembled receivers. Its unique printed circuit bandswitch and modern etched circuit boards eliminate critical "lead dress" in oscillator and mixer circuits, hold down your assembly time, and assure highly reliable, trouble-free performance.

Exceptional sensitivity: better than $1\frac{1}{2}$ μ V for 10 dB S/N; on 40 and 80 meters, it's actually $\frac{1}{2}$ to $\frac{3}{4}$ μ V. Built-in Q-multiplier works on CW/AM/SBB to null QRM with its deep 60-dB notch, or to peak desired signals 70 dB. Selectivity is continuously variable from 300 to 4500 Hz. Regulated B+ on HFO assures minimum drift. Has close tolerance, slug-tuned coils for easy alignment. Also: tuned RF stage; exalted BFO; RF gain control; front-panel phone jack; vernier planetary drive—no dial stringing; noise limiter; delayed AVC; antenna trimmer—many other extras.

In attractive gray satin metal case. With all parts and detailed assembly and operating instructions. Order accessories below. Shpg. wt., 29 lbs.

22 B 3406 KW. \$6 Monthly **109.95**

22 B 3424 W. S-8A Matching Speaker Kit. Specially designed 4" speaker peaks voice frequencies. $6\frac{1}{8} \times 6\frac{5}{8} \times 5\frac{1}{8}$ ". Shpg. wt., 4 lbs. **9.95**

22 B 3423 W. S-Meter Kit. Reads up to +40 dB over S9. Shpg. wt., 1 lb. **12.95**

22 B 3256 W. Crystal Calibrator Kit. Builds into R-100A. 100-kHz markers. 1 lb. **11.95**

22 B 3257 W. Dual Headset with Phone Plug Attached. Shpg. wt., 1 lb. **2.75**

SPECIFICATIONS

Sensitivity: Better than $1\frac{1}{2}$ μ V for 10 dB S/N on shortwave bands; 4 μ V on broadcast band. **Selectivity:** Q-multiplier, in Peak position, provides continuously adjustable IF bandpass from 300 to 4500 Hz at 6 dB down; with up to 70 dB peak, provides 60-dB notch in Null position. **IF:** 455 kHz. **Tube Complement:** 7; plus rectifier and voltage regulator. **Antenna Impedance:** 50-300 ohms. **Audio Output Impedance:** 8 ohms. **Dimensions (HWD):** $9\frac{1}{8} \times 17\frac{1}{8} \times 9\frac{1}{8}$ ". **Power Required:** 110-130 volts, 60 Hz AC; 45 watts.

Get Started in Ham Radio with These *Knight-Kit* Outfits

Low-Cost Station with T-60 and R-55A Kits

Save \$5.18 on
Station Outfit **\$163⁹⁵** \$9
monthly

- Knight-Kit T-60 6-Band CW/AM Transmitter Kit
- Knight-Kit R-55A Communications Receiver Kit
- Knight-Kit P-2 SWR/Power Meter Kit
- Electro-Voice 727 Microphone with Stand, Cable
- Dual Headphones with Cord and Phone Plug Attached
- 50 Feet of RG-8/U Foam Coaxial Cable, Connectors
- Hand Key with Shorting Switch, Adjustable Tension
- Howard W. Sams Book, "So You Want to Be a Ham"

Separately, \$169.13. T-60 runs 60 watts CW/peak AM input on 80 through 10 meters, slightly less on 6. Pi-net output for 40-800 ohms. R-55A tunes 530 kHz to 36 MHz and 47 to 54 MHz in 5 bands. Calibrated bandspread on Ham bands 80 thru 6; built-in speaker; limiter circuit. Shpg. wt., 58 lbs.

22 B 0533 L4ZW. \$9 Monthly 163.95

Outfit with T-60 and R-100A Deluxe Receiver

Save \$7.08. Same as above, but with R-100A Deluxe Communications Receiver Kit in place of R-55A. Also includes S-8A Matching Speaker Kit and S-Meter Kit. See description of R-100A at left. Shpg. wt., 72 lbs.

22 B 0534 L4ZW. \$12 Monthly 229.95

17 B 9381 CS. Crystal 3500-3900 kHz. For T-60. Specify.2.95

17 B 9403 CS. Crystal 7000-7334 kHz. For T-60. Specify.2.95

17 B 9404 CS. Crystal 8340-8450 kHz. For T-60. Specify.2.95



Communications Receiver Outfits for Amateur or Listener



R-100A
Outfit
\$149⁹⁵
\$8 monthly



R-55A
Outfit
\$83⁹⁵
\$5 monthly



Complete R-100A Receiver Kit Outfit

- Knight-Kit R-100A Communications Receiver Kit
- Knight-Kit S-8A Matching Speaker Kit
- Knight-Kit S-Meter Kit (Builds Into R-100A)
- Knight-Kit Crystal Calibrator Kit (Builds Into R-100A)
- Dual Headphones with Cord and Phone Plug Attached
- Outdoor Antenna Kit with Mounting Hardware
- A.R.R.L. Radio Amateur's Handbook (Latest Edition)
- A.R.R.L. Amateur Station Logbook

Knight-Kit's finest Amateur Radio receiver outfit. R-100A tunes 540 kHz to 30 MHz in 4 bandswitched ranges with calibrated electrical bandspread for 80-10 meters, better than $1\frac{1}{2}$ μ V sensitivity for 10 dB S/N, all-mode Q-multiplier, much more (description at left). Most-needed accessories round out this great value. Shpg. wt., 42 lbs.

22 B 0322 L2ZW. \$8 Monthly 149.95



Complete R-55A Receiver Kit Outfit

- Knight-Kit R-55A Communications Receiver Kit
- Knight-Kit Crystal Calibrator Kit (Builds Into R-55A)
- Dual Headphones with Cord and Phone Plug Attached
- Outdoor Antenna Kit with Mounting Hardware
- Howard W. Sams Book, "So You Want to Be a Ham"
- A.R.R.L. Amateur Station Logbook

Top-value beginning Amateur or listener outfit. R-55A tunes 530 kHz to 36 MHz and 47-54 MHz in 5 bands. Features bandspread on Ham bands 80 through 6 meters; built-in speaker; BFO; noise limiter; AVC; antenna trimmer; superhet circuit; illuminated slide-rule dials; flywheel-loaded main tuning; fused, transformer-type power supply. Headphones, antenna and other accessories prepare you for top-notch shortwave reception. Shpg. wt., 28 lbs.

22 B 0535 L3ZW. \$5 Monthly 83.95

Own Your Knight-Kit Outfit Now for No Money Down

ALLIED 459



knight-kit

AMATEUR GEAR

SWR/Power Meter Kit

FOR OPTIMUM PERFORMANCE



P-2 EARN'S FINE MAGAZINE REVIEWS!

"Assembly of the unit is very clearly shown in the detailed assembly manual . . . no real problems were encountered . . . worked perfectly . . . no adjustments were required . . . Relative power scale is quite convenient for transmitter tuning."

—73

"In a price class that makes it a difficult item to duplicate with store-bought parts."

—QST

\$15⁹⁵

Model P-2 SWR/Power Meter Kit with Flexible Two-Unit Design

HAS ALL THESE OUTSTANDING FEATURES

- ✓ Measures SWR from 1:1 to 20:1, Relative Power from 0 to 10
- ✓ Flexible Two-Unit Design
- ✓ No Batteries or Power Required
- ✓ 1.8 to 432 MHz Range
- ✓ For Unbalanced Lines from 50-72 Ohms, Amateur or CB
- ✓ Negligible Insertion Loss
- ✓ Can Be Left Permanently In Line As Constant Monitor

- Full 1000-Watt Capacity Yet Works Well With Low-Power Transmitters
- Provides Constant Check of Transmitter and Antenna Efficiency
- Covers 1.8 to 432 MHz for Amateur, CB and Other Services
- Helps You Get Maximum Radiated Power for Greater Range and Reliability

Use this easy-to-assemble SWR Power Meter Kit to provide a constant check on your rig's efficiency. Measures relative power fed to the antenna, and standing waves reflected back from it. Helps you make matching adjustments between line and driven element for maximum radiated signal. Covers frequency range of 1.8 to 432 MHz for Ham, CB and other communications services. Full one-kilowatt capacity, yet works well with low-power transmitters. Sensitivity adjustment on meter.

Flexible 2-unit construction—coupler and indicator units are connected by a 4-ft. shielded cable. May be left permanently in the transmission line with negligible power loss. Requires no power or batteries. 100-microamp meter has 2 scales: SWR from 1:1 to 20:1; and Relative Power from 0 to 10. Accuracy better than 10%. Styled in gray satin. Coupler, 2x5x2 1/2"; indicator, 2 7/8x6 1/4x3". SO-239 coax connectors. With all parts, wire, solder and easy-to-follow instructions. Sbgg. wt., 3 lbs.

22 B 3627 W **15.95**

101 Ways to Use Your Ham Test Equipment

Published by Howard W. Sams. Practical presentation for the Ham. Clear hook-up diagrams. 168 pp. 22 B 3101 EW 7 os. 2.50

SPECIFICATIONS

Frequency Range: 1.8 to 432 MHz
— includes Amateur, CB bands.
Minimum RF Power: 45 watts at 1.8 MHz; 1/2 watt at 432 MHz for full-scale meter deflection.
Maximum RF Power: 1 kilowatt.
Accuracy: Better than 10%.

Input/Output Impedance: 50 or 72 ohms, by changing resistor.
Meter Sensitivity: 100 microamps for full-scale deflection.
Meter Scales: SWR, 1:1 to 20:1; Relative Power, 0 to 10.
Connectors: two SO-239 coaxial.



Knight-Kit Ham Accessories

FOR HAM SHACK, LAB, OR SHOP

Model G-30 Grip-Dip Meter Kit

\$21⁹⁵ \$5
monthly

- Continuous Overlapping Coverage
- Covers 1.5 to 300 Megahertz
- Scales Color-Coded to Match Coils
- Compact, Only 1 1/2" Deep
- Supplied With Set of 6 Coils

You'll find hundreds of uses for the G-30 in and around your Ham shack, lab, or shop. It can be used for receiver alignment, wave trap adjustment, finding parasitic oscillations, adjusting antennas, as a resonant frequency indicator, signal generator, and absorption wavemeter. The G-30 is compact—only 1 1/2" deep—conveniently fits in the palm of your hand.

Calibrated dial and movable hairline cursor for fast, accurate readings. Covers all frequencies from 1.5 to 300 megahertz in 6 overlapping ranges. Ranges are color-coded to match coils. Damped meter movement responds instantly. Variable sensitivity control for optimum grid current adjustment. Extremely stable, entire band may be tuned without readjusting gain.

Molded socket holds plug-in coils securely. Plug in standard-spaced crystal, and unit becomes a crystal oscillator. Phone jack permits use as modulation monitor and regenerative detector. 6 3/8 x 3 1/2 x 1 1/2". Includes plastic case with 6 coils, instructions. For 110-130 V, 50-60 Hz AC. 2 lbs.

22 B 3721 W. \$5 Monthly..... **21.95**



SOME OF THE MANY G-30 USES

Grid-Dip Oscillator; Oscillation Detector; Signal Generator; Absorption Wavemeter. Checks Resonant Frequencies of L-C Networks in TV, Radio Circuits. Determines Inductance and Capacitance. Modulation Monitor; Regenerative Detector.

Fits in The Palm Of Your Hand

Color-Coded Coils Match Dial Ranges

Adjustable Hairline Cursor

Books On Grid-Dip Meters



A How To Use Grid-Dip Oscillators. (John F. Rider.) By Rufus P. Tuner, K6AI. Covers principles, circuits, measurements, applications of grid-dip oscillators. 112 pages. Fully illustrated. Size, 5 1/2 x 8 1/2". Shpg. wt., 4 oz.
22 B 3154 EW..... **2.50**

B Servicing With Dip Meters. (Howard W. Sama.) By John D. Lenk. Chapters in theory, operation, servicing, measuring inductance, and capacitance. 128 pages. 5 1/2 x 8 1/2". Shpg. wt., 8 oz.
22 B 3155 EW..... **2.95**

X-10 100-kHz Crystal Calibrator Kit

With Crystal

\$11⁹⁵

- Provides Frequency Marker Every 100 KHz to 35 MHz
- Convenient Trimmer Permits Zero-Beating with WWV
- Builds into Knight-Kit R-100A R-55A, Other Receivers

A "must" for accurate dial calibration and marking band edges. Low-cost secondary frequency standard produces harmonics every 100 kHz up to 35 MHz. Markers give check points that are extremely accurate in the 160 to 10-meter Ham bands and international SW bands. Trimmer for zero-beating with WWV, or any station on a multiple of 100 kHz.

Four wires to connect. Requires 0.3 VAC or DC, at 150 mA, and 150-300 VDC at 6 and 3 mA respectively. On-off switch. 3 1/2 x 2 1/2 x 1 1/4". fits inside most Amateur receivers. With wire, solder, hermetically sealed 100-kHz crystal, and easy-to-follow instructions. Shpg. wt., 1 lb.
22 B 3256 W..... **11.95**



Build the Best, Build a Knight-Kit

ALLIED 461



Firsts in Test Instrumentation by *knight-kit*®

First 6" VTVM Kit with ½-Volt Full-Scale DC Range

First Taut-Band VOM Kit with Range Doubler and Mirrored Scale

First to Provide Meter Movement Protection in a VOM Kit

First Solid-State Color Bar/Pattern Generator Kit

First Color Bar Generator Kit with Six Discrete Levels of Brightness for Accurate Gray Scale Tracking

First Solid-State 0-40 VDC Power Supply with Remote Programming/Sensing

First Solid-State RF Generator Kit

First RF Generator Kit with Built-in Crystal Calibrator

First Solid-State Sweep Generator Kit Using Silicon Transistors

First Solid-State Sine/Square Wave Generator Kit

First DC-to-5-MHz Triggered-Sweep Scope Kit with 85 msec Rise Time

First DC-to-5.2-MHz Wideband Scope Kit for Color TV Servicing

We of Knight Electronics, developers and manufacturers of famous Knight-Kits, are dedicated to providing you with the finest test equipment available at the best possible price.

We compromise nothing in our research, development, and manufacturing efforts at Knight Electronics. Up-to-the-minute engineering and the very latest circuits are employed in Knight-Kit test instruments. Many feature new solid-state designs, with FET and silicon transistors providing unparalleled stability and dependability.

We strive to anticipate the needs of today's complex electronic servicing and testing, with test instruments that are unsurpassed in accuracy, reliability, and dependable long-term performance.

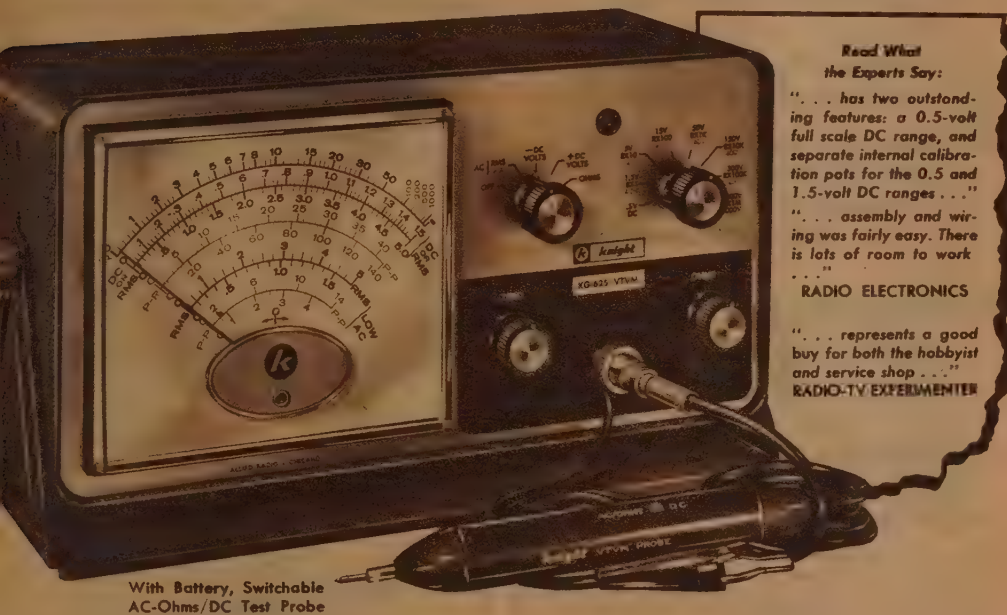
Premium-quality parts, the products of many respected manufacturers, are used in every Knight-Kit test instrument. Many of these parts are designed by us, and custom-made to our own exacting specifications.

Unmatched quality and precision are an integral part of every Knight-Kit. Our test instruments undergo rigid, comprehensive testing under actual operating conditions; they are performance-proven in the lab and in the field. This is your positive assurance that the test equipment kit you assemble will function reliably for years to come.

We strive, too, to provide you with big dollar savings on every Knight-Kit you buy. You save in two ways: by assembling the kit yourself, and by buying the low-cost way, direct from the manufacturer.

Our Finest *knight-kit* VTVM Kit

1/2-VOLT FULL-SCALE DC RANGE FOR ACCURATE TRANSISTOR SERVICING



**Read What
the Experts Say:**

"... has two outstanding features: a 0.5-volt full scale DC range, and separate internal calibration pots for the 0.5 and 1.5-volt DC ranges..."

"... assembly and wiring was fairly easy. There is lots of room to work..."

RADIO ELECTRONICS

"... represents a good buy for both the hobbyist and service shop..."
RADIO-TV EXPERIMENTER

With Battery, Switchable
AC-Ohms/DC Test Probe

Model KG-625 Deluxe 6" Vacuum Tube Voltmeter Kit

- Pre-Aged Bridge Tube Has Matched Triode Sections for Easy Calibration
- 200-Microamp Meter Movement Has Fluorescent Knife-Edge Pointer
- Separate, Color-Correlated AC Scales for 1.5 and 5 Vrms, 4.2/14 Vp-p
- Reads Peak-to-Peak AC Volts Directly • Gimbal-Type Mounting Bracket

With **\$44⁹⁵** \$5
Probe monthly

Feature-packed 6" VTVM brings you more in functional styling, more in genuine operating convenience, more in dependable performance. Features: 1/2-volt full-scale DC range—a "must" for accurate servicing of modern transistorized equipment; single, switchable AC-ohms/DC test probe for making quick, easy multiple measurements; neat buildable layout with unique inverted chassis for fast assembly.

Push-pull balanced bridge circuit assures maximum accuracy and meter protection. Premium pre-aged bridge tube with matched triode sections provides stable, accurate calibration adjustments. Easy-to-read 6" meter has sensitive 200-microamp movement, 10 color-correlated scales, fluorescent knife-edge pointer to eliminate parallax. Full 100° scale gives larger scale area, easy wide-angle viewing. Meter movement shorts out in "Off" position preventing damage when instrument is carried. Also has: DC polarity reversing switch; zero-center scale for discriminator alignment; pilot light; 11-meg input impedance; low-leakage switches, power transformer for line isolation.

Precision 1% film-type resistors are used as multipliers to assure highest accuracy. Calibration controls are easily accessible from back of panel. Has gimbal bracket for convenient mounting. In rugged black steel case, 7 1/4 x 12 x 5 1/2", charcoal gray/silver front panel. With all parts, solder, step-by-step instructions, probe, battery. Accessory probes below. For 110-130 V, 60 Hz AC. Shpg. wt., 9 lbs.

22 B 3975 W. \$5 Monthly. **44.95**
22 B 3130 W. Wired High-Voltage Probe. To 25,000 V. Wt., 1 lb. . . . **6.95**
22 B 3131 W. Wired RF Probe. Shpg. wt., 1 lb. **5.95**

KG-625 SPECIFICATIONS

DC SECTION. Ranges: 0-0.5-1.5-5-15-50-150-500-1500 volts full scale. With optional High-Voltage Probe to 25,000 volts. Accuracy: $\pm 3\%$ of full scale reading. Input Resistance: 11 meg-ohms (1 meg in probe) to 1500 volts.

AC SECTION. Ranges (rms): 0-1.5-5-15-50-150-500-1500 volts full scale. Separately calibrated scales for 1.5 and 5 volts. (p-p): 0-4.2-14-42-140-420-1400-4200 volts full scale. Separately calibrated scales for 4.2 and 14 volts. Accuracy: $\pm 5\%$ of full scale reading. Frequency Response: ± 1 dB, 30 Hz to 3 MHz; ± 3 dB, 30 Hz to 5 MHz. With High-Frequency Probe to 250 MHz.

OHMMETER. Ranges: 0-1000-10,000-100,000 ohms; 0-1-10-100-1000 meg-ohms. Center Scales: 10-100-1000-10,000-100,000 ohms; 1 and 10 meg-ohms. Battery: 1 1/2-volt, size "C."

TUBE COMPLEMENT. Meter Bridge: premium pre-aged 12AU7A with matched triode sections. Full-Wave Rectifier: 6AL5. Power Supply: transformer, with silicon diode rectifier.

Knight-Kit—First Choice for Value and Performance

ALLIED 463



knight-kit

TEST INSTRUMENTS

**Compare These Features
With High-Priced VOM's**

- TAUT-BAND METER
- FIFTY-SEVEN RANGES
- MIRRORED SCALE
- PROTECTED MOVEMENT

KG-640 20,000 Ohms/Volt VOM Kit

With Test
Leads and
Batteries

\$44⁹⁵

\$5
monthly

- Taut-Band Movement for Repeatability of Readings
- 57 Ranges—As Low As 0.8 VDC for Transistor Work
- 20K Ohms/Volt DC Sensitivity • Response to 200 kHz
- Accurately Reads Voltage, Current and Resistance

This deluxe VOM offers the exacting performance needed by the technician, serviceman and serious experimenter. Designed for ease of assembly and accurate measurement of voltage, current and resistance. Rugged, shock-resistant 50- μ A taut-band meter movement is protected on every range against overloads with special diodes.

Boasts an unprecedented 57 measuring ranges! This is achieved by a single range/function switch and range-doubler switch, which virtually doubles the effective number of ranges. Mirrored scale eliminates errors caused by parallax. The KG-640 reads AC and DC voltage, output voltage and DC current, plus resistance and decibels. Its wide frequency response extends to beyond 200 kHz for highly accurate AC measurements. The KG-640 will assist you in servicing radio and television sets, hi-fi components, appliances and hobby projects. Also excellent for checking continuity in motors, and for testing house wiring.

All multipliers are precision 1% carbon film resistors for high accuracy and continued dependability. Has polarity-reversing switch for easy circuit checks—no need to change leads. 6 $\frac{3}{4}$ x 5 $\frac{1}{4}$ x 3 $\frac{3}{4}$ ". Uses one standard "C" flashlight battery and four penlight batteries. With batteries, test leads, step-by-step instructions. Shpg. wt., 5 lbs.

22 B 3954 W. \$5 Monthly. **44.95**

Our Finest VOM Kit

An Ideal "First" Kit
For Bench or Caddy



SPECIFICATIONS

AC Volts (12 Ranges): 0-2-4-8-16-40-80-200-400-800-1600-2000-4000 volts.

DC Volts (12 Ranges): 0-.8-1.6-8-16-40-80-200-400-800-1600-2000-4000 volts.

Output Volts (8 Ranges): 0-2-4-8-16-40-80-200-400 volts.

Resistance (3 Ranges): 0-1000-100,000 ohms-10 mega.

Center scales at 12, 1200 and 120 K ohms.

DC Current (10 Ranges): 0-80-160-400-800 μ A, 8-16-200-400 mA, 8-16 amperes.

Decibels (12 Ranges): -12 to +74.

DC Sensitivity: 20,000 ohms per volt or 10,000 ohms per volt (function of scale multiplier switch).

Frequency Response: 20 Hz to beyond 200 kHz.

Accuracy: Within 3% of full scale reading on DC up to 1600 volts; within 5% of full scale reading on AC up to 1600 volts.

Test Leads: One red, one black, each 48" long supplied completely assembled.

Multiplier Resistors: All are 1% carbon film.

"The accuracy of the completed VOM was found to be far better than the manufacturer's specs."

ELECTRONICS WORLD

"CB'ers should mark this their number one best value instrument for servicing their equipment."

59

"... the average builder can assemble this kit in just about three hours... completed kit is a fine addition to the... laboratory."

POPULAR ELECTRONICS

Highly Accurate VOM and VTVM Kits

KG-645 1000 Ohms-per-Volt VOM Kit

Complete With Test Leads and Battery **\$22⁵⁰** \$5 monthly

- Meter Movement Protected on Voltage, Current, dB Ranges
- 38 Ranges • 1000 Ohms/Volt AC and DC • 1% Multipliers

Excellent-value VOM kit for hobbyist or technician. Boasts meter-movement protection that puts it in a class with VOM's priced far higher! Prevents burnout, bent pointers, damaged pivots on voltage, current and dB ranges. Accurately measures AC, DC and output voltages, AC/DC current, plus resistance. Precision 1% multiplier resistors. 1000 ohms-per-volt sensitivity on AC and DC. Assembles in a matter of hours. Manual has "How-to-Use" section. 6 $\frac{3}{4}$ x5 $\frac{1}{4}$ x2 $\frac{3}{4}$ ". Includes battery, test leads, carrying strap, instructions. Shpg. wt., 3 lbs.

22 B 3983 W. \$5 Monthly.....22.50

SPECIFICATIONS

AC, DC and Output Volts (7 ranges each): 0-1-5-10-50-100-500-5000 V. Resistance (3 ranges): 0-1000-100,000 ohms; 0-1 megohm; center scales at 60, 150 and 1500 ohms. AC or DC Current (4 ranges each): 0-1-10-100 milliamps; 0-1 amp. Decibels (6 ranges): -20 to +69. Meter Movement Sensitivity: 400 microamps for full scale deflection. Accuracy: 2% of full scale reading.



Ever-Popular KG-620 4 $\frac{1}{2}$ " VTVM Kit

Complete With 3 Test Leads and Battery **\$29⁹⁵** \$5 monthly

Proved in the field and widely recognized for accuracy and dependability. Provides electronic measurements of peak-to-peak and rms AC, plus DC voltage, decibels, resistance. 11-megohm input resistance. Precision 1% multiplier resistors. 200-microamp meter movement; 2-color scale. Zero-center scale. Zero-adjust control; DC polarity-reversing switch. Pilot light. Power transformer. 7 $\frac{3}{4}$ x5 $\frac{3}{8}$ x4 $\frac{1}{4}$ ". Black steel case with charcoal-gray and silver panel. With all parts, leads, battery and instructions. See page 463 for accessory probes. For 110-130 V, 60 Hz AC. Shpg. wt., 7 lbs.

22 B 3911 W. \$5 Monthly.....29.95

SPECIFICATIONS

DC SECTION. Ranges: 0-1.5-5-15-50-150-500-1500 V full scale; with optional High-Voltage Probe, to 25,000 V. Accuracy: $\pm 3\%$ of full scale reading. Input Resistance: 11 megohms (1 meg in probe) up to 1500 V. AC SECTION. Ranges: (rms): 0-1.5-5-15-50-150-500-1500 V full scale. (P-P): 0-4-2-14-42-140-420-1400-4200 V full scale. Decibels: -10 to +65 in 7 ranges. Response: ± 1 dB, 30 Hz to 3 MHz; ± 3 dB, 30 Hz to 5 MHz; with optional High-Frequency Probe, to 250 MHz. Accuracy: $\pm 5\%$ of full-scale reading. OHMMETER. Ranges: 0-1000-10,000-100,000 ohms; 0-1-10-100-1000 megohms. Center Scales: 10, 100, 1000, 10,000, 100,000 ohms; 1 and 10 megohms. Battery: 1 $\frac{1}{2}$ -V size "C".



Helpful Books to Aid You In Using Your VOM or VTVM

- A 101 Ways to Use Your VOM and VTVM. (Howard W. Sams.) By Robert G. Middleton. 144 pages. 5 $\frac{1}{2}$ x8 $\frac{1}{2}$ ". 8 oz. 22 B 3163 EW.....2.95
- B Troubleshooting with the VOM and VTVM. (Howard W. Sams.) By Robert G. Middleton. 160 pages. 5 $\frac{1}{2}$ x8 $\frac{1}{2}$ ". 8 oz. 22 B 3159 EW.....2.95
- C Best Ways to Use Your VOM-VTVM. (Allied.) Edited by Fred Shunaman. 96 pages. 5 $\frac{1}{2}$ x8 $\frac{1}{2}$ ". Shpg. wt., 3 oz. 22 B 3364 EPW.....50¢





knight-kit
TEST INSTRUMENTS

Checks Over 2300 Types
KG-600B . . IN-SHOP OR ON-THE-GO SERVICE

*Lightweight and Portable, It's Perfect
for In-Home Radio-TV Servicing*



Kit Form
\$46⁵⁰
\$5 monthly

- *Advanced Features at Lowest Cost*
- *Lightweight, Portable and Accurate*
- *Famous Knight-Kit Assembly Ease*

KG-600B Tube Tester

KNIGHT-KIT'S VERSATILE EMISSION-TYPE TUBE TESTER

Kit Form **\$46⁵⁰** \$5
monthly

- Checks Emission, Continuity, Shorts, Open Elements
- Selector Switches are Easy to Set Up for All Types
- Three-Color Easy-to-Read 4½" Full-View Meter
- Tests Picture Tubes with Optional Adapter
- Checks Most Pilot Lights Up to 117 Volts
- Excellent for Matching Tubes • Lighted Roll Chart

Today's radio-TV and hi-fi servicing demands a reliable tube tester—it's a number-one testing instrument, among the first you reach for when troubleshooting. It must be versatile to check old tubes, yet accept new tubes as they become available; it must provide highly accurate readings; and it must be easy to use so that minimum time is spent on setup. The popular KG-600B meets all these requirements at a price that can put this fine instrument on the test bench of even do-it-yourself hobbyists.

Professional-styled unit checks over 2300 types including: nuvistors; compactrons; novars; 4, 5, 6, and 7-pin large tubes; 7, 9, and 10-pin miniature tubes; octals; loctals; and pilot lamps. Tests TV picture tubes with optional TV Picture Tube Harness and Adapters, below. Extra-large meter shows tube condition by GOOD-REPLACE emission scale. Separate GOOD-BAD gas test scale. 0-100 scale for matching tubes. A neon indicator shows filament continuity and leakage or shorts between tube elements. Line-adjust is provided to correct for variations in line voltage and to maintain proper testing conditions.

Filament switch lets you select 16 different voltages from 0.63 to 117 volts. Easy-action, universal-type selector switches permit setting up for testing tube types with ease and speed. Roll chart features smooth-action thumbwheel drive to quickly locate desired tube. Roll-chart is illuminated by 2 lamps for easy reading. Gray bakelite-covered portable case has carrying handle and latching cover. Panel is styled in charcoal-gray and silver. Size, 6½x14½x10½". Includes all parts, pre-cut wire, solder and detailed, step-by-step instructions for simplified assembly. For 110-130 volt, 50-60 Hz AC. Shpg. wt., 13 lbs.

22 B 3920 W. \$5 Monthly. **46.50**

KG-600B SPECIFICATIONS

Type of Tube Tester: cathode conductance (emission).
Tube Condition Indicator: 3-color, 4½" meter with Replace-Good numerical, and gas scales. **Tube Types That May Be Tested:** nuvistors; compactrons; novars, 4, 5, 6, and 7-pin large tubes; 7, 9, 10-pin miniature tubes; octals; loctals; pilot lamps. **Individual Element Tests:** shorts and continuity are indicated by neon lamp; gas and opens by GOOD-REPLACE, GOOD-BAD scales. **Filament Voltages Available:** 0.63, 1.4, 2.0, 2.5, 3.0, 4.2, 5.0, 6.3, 7.5, 12.6, 19.6, 25, 32, 50, 70, and 117 volts. **Line/Load Voltage Adjustments:** built-in power rheostat is adjustable to compensate for voltage variation; rheostat is located in primary of the power transformer. **Individual Tube Settings:** read from built-in, illuminated, gear-driven roll chart with thumbwheel. **Power Required:** 110-130 volt, 50-60 Hz AC.

OUTSTANDING KG-600B FEATURES



16 switch-selected filament voltages: 0.63, 1.4, 2.0, 2.5, 3.0, 4.2, 5.0, 6.3, 7.5, 12.6, 19.6, 25, 32, 50, 70, 117 V.



Power rheostat is adjustable to compensate for line or load variations. You always have proper testing conditions.



Versatile, easy-action selector switches allow fast setup. Preassembled into a single unit for simple mounting.



Full-view 4½" 3-color meter has "Good-Replace" emission scale, "Good-Bad" gas scale. 0-100 numerical scale.



Roll chart is illuminated for quick testing setup. Gear-driven mechanism has smooth-action thumbwheel.

Accessories and Tube Manuals

- A** TV Picture Tube Harness. For checking black-and-white tubes with up to 90° deflection on all Knight-Kit series 600 tube testers. Shpg. wt., 8 oz.
22 B 3141 W. Assembled. **4.95**
- B** 110° Adapters. Set of two for above. Permits checking picture tubes with 110° deflection. Wt., 3 oz.
22 B 3271 W. Assembled. **4.50**
- C** Replacement Roll Chart. Current issue for updating Knight-Kit Model 600, 600A, 600B testers bought prior to Aug. 1, 1967. Shpg. wt., 8 oz.
22 B 3360 W. **1.95**
- D** RCA Tube Manual. Latest, up-dated edition. Offers full technical data on all current receiving tubes plus full details on color and black-and-white picture tubes. Extremely helpful when you must know a tube's capabilities. Shpg. wt., 1½ lbs.
22 B 3133 EW. **1.25**
- E** Howard W. Sams Tube Substitution Handbook. Latest edition. Invaluable when replacing tubes. Over 11,000 direct tube substitutions, including European, industrial and subminiature types. Wt., 5 oz.
22 B 3234 EW. **1.75**



NEW
knight-kit
 LAB INSTRUMENTS

...another first in test instruments

SOLID-STATE CIRCUIT

**KG-686 Laboratory-Quality RF Signal Generator Kit
 with Built-in 100 kHz/1 MHz Crystal Calibrator**



\$95⁰⁰
 \$5 monthly

**Covers 100 kHz to 54 MHz
 in 5 Fundamental Bands**



Deluxe Features of the KG-686 RF Signal Generator



Switchable
 200- μ A D'Arsonval
 Meter Shows
 Accurate RF Carrier
 or Modulation Level



Detector-Amplifier-
 Speaker System
 Gives Audible
 "Zero" Beat from
 Crystal Calibrator



Built-In 100 kHz/
 1 MHz Crystal Cali-
 brator. Frequency
 Accuracy Is Usable
 to $\pm 0.1\%$



Six Individually
 Shielded Step At-
 tenuators with 21
 Levels—Total Capa-
 bility of -96 dB

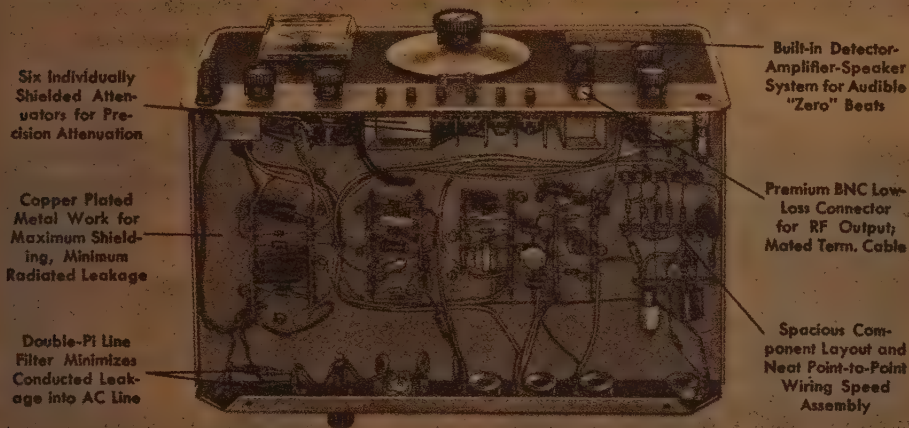


Easy-to-Read Metal
 Dial Has 6:1 Vernier
 Drive with Anti-
 Backlash for Precise
 Frequency Selection

Ideal for Research, Service, Engineering

WIDE SCIENTIFIC LABORATORY AND EDUCATIONAL APPLICATIONS

Outstanding Circuit Features of the KG-686:



KG-686 Deluxe RF Signal Generator Kit

- Boasts All Silicon Transistors for Excellent Temperature Stability
- Switchable D'Arsonval Meter Shows RF Carrier or Modulation Level
- Individually Shielded 6-Switch Attenuator for 21 Levels to -96 dB
- Detector-Amplifier-Speaker Gives "Zero" Beats from Crystal Calibrator

Delivers the professional performance of RF generators costing much more, yet is priced within easy reach of the technician, serviceman, or hobbyist. Solid-state circuit boasts all *silicon* transistors for excellent temperature stability, dependable long-life performance. Frequency coverage is 100 kHz to 54 MHz (includes all television IF frequencies). Accuracy is $\pm 1.5\%$ on any of 5 fundamental bands, usable to $\pm 0.1\%$ with built-in 100 kHz/1 MHz crystal calibrator.

Well-designed floating-type oscillator is completely isolated from chassis. Tunable L and C on every band assure accurate tracking capability. Six separate step-attenuator switches, individually shielded for minimum leakage, offer 21 discrete levels for precise attenuation to -96 dB. Fine attenuator control covers -10 to +2 dB. Switchable 200-microamp D'Arsonval meter indicates RF carrier or modulation level. Bridged "T," low distortion two-stage internal modulation oscillator. Easy-to-read 4" metal dial has two alternating colors. Precision 6:1 planetary-ball vernier drive with anti-backlash provides effortless, accurate frequency selection and resetability.

Careful chassis layout and generous copper shielding assure minimum radiated leakage. Regulated power supply provides excellent output stability. Output is calibrated into 50-ohm load, 120,000 μ V max. Point-to-point wiring for easy assembly. Rugged all-steel case, $14\frac{3}{4} \times 7\frac{3}{4} \times 10\frac{1}{2}$ " ; stacks with other Knight-Kit Lab Instruments. Line cord is detachable for easy storage or service. With BNC output jack, mated terminal cable, solder, instructions. For 110-130 V, 60 Hz AC.

22 B 3993 W. Shpg. wt., 15 lbs. \$5 Monthly.....95.00

SPECIFICATIONS

Frequency Coverage: 100 kHz to 54 MHz in 5 fundamental bands. Band A, 100-370 kHz; Band B, 370-1400 kHz; Band C, 1.4-5.1 MHz; Band D, 5.1-16 MHz; Band E, 16-54 MHz. **Frequency Accuracy:** $\pm 1.5\%$, usable to $\pm 0.1\%$ with built-in 100 kHz/1 MHz crystal calibrator.

Crystal Calibrator: Frequencies of 1 MHz and 100-kHz (derived). **Accuracy:** $\pm 0.05\%$. Detector-amplifier-speaker system provides audible "zero" beats.

Output: Calibrated; 50-ohm load, 120,000 μ V max. ± 2 dB of nominal to 30 MHz. **Open Circuit:** Uncalibrated; Band A, 3 Vrms min.; Band B, 2 Vrms min.; Band C, 0.6 Vrms min.; Bands D, E, 0.3 Vrms min.

Attenuator System: Six individually shielded step attenuators with a total capability of -96 dB. Outputs as low as -106 dB (0.5 μ V) may be obtained. 0 dB equals 100,000 μ V at 50 ohms. Fine control with meter covers -10 to +2 dB calibrated on meter.

Modulation: Internal; 400 Hz at $\pm 20\%$. Metered depth to 50 (± 5)% to 30 MHz. Bridged "T," two-stage oscillator. **External Sensitivity:** approx. 1 Vrms for 50% modulation at 400 Hz.

Power Consumption: 6 watts.

Semiconductor Complement: 10 silicon transistors, 6 diodes.

Overall Size: $14\frac{3}{4} \times 7\frac{3}{4} \times 10\frac{1}{2}$ ".

Signal Generator Book

"101 Ways to Use Your Signal Generator." Howard W. Sams book describes setups, uses, etc. 128 pages. Size, $5\frac{1}{2} \times 8\frac{1}{2}$ ". Shpg. wt., 4 oz. 22 B 3287 EW.....2.95



"Know Your Signal Generator"

Howard W. Sams book describes principles and uses of signal generators. With diagrams, schematics. 144 pages. Size, $5\frac{1}{2} \times 8\frac{1}{2}$ ". Wt., 8 oz. 22 B 3363 EW.....2.50





NEW
knight-kit
LAB INSTRUMENTS

...another first in test instruments

SOLID-STATE CIRCUIT

KG-687 LABORATORY-QUALITY SWEEP/MARKER GENERATOR KIT
HAS CRYSTAL CONTROLLED AND VARIABLE POST-INJECTION MARKERS
—COVERS ALL TV AND FM, IF AND TV VHF FREQUENCIES



With
4.5-MHz Crystal
\$120⁰⁰
\$6 monthly

Sweep Oscillator: 3 to 220 MHz (5 Bands)
Marker Oscillator: 2 to 225 MHz (4 Bands)



Deluxe Features of the KG-687 Sweep/Marker Generator Kit



Separate, Regulated Dual AGC Bias Supplies, Calibrated 0 to -20 Volts for Units Under Test



Smooth 6:1 Vernier Drive on Both Dials for Easy, Accurate Frequency Selection and Resettability



Both Variable and Crystal-Controlled Markers—May Be Mixed Internally—On-Off Switch for Crystal



Front-Panel Horizontal and Vertical Outputs for Fast, Easy Connection to Scope—Includes Needed Cables.

Offers Complete Alignment Frequency Coverage

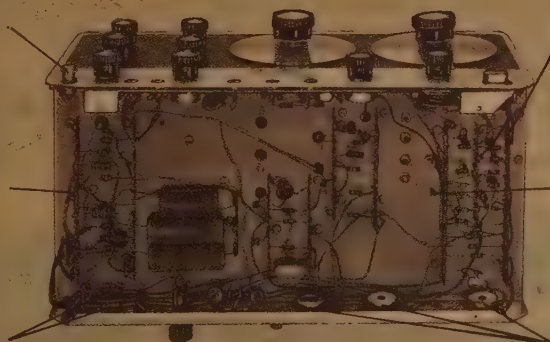
FOR STEREO FM, BLACK-AND-WHITE OR COLOR TV, FRONT ENDS, IF'S

Outstanding Design Features of the KG-687:

Low-Pass BNC RF Output Connector with Mating Terminating Cable Supplied for Easy Connections

Regulated Power Supply Provides Exceptional Output Stability Over Entire Operating Range

Double-PI Line Filter Minimizes Conducted Leakage—Prevents Signal Radiation into Power Line



Industrial-Type Terminal Layout Permits Neat Point-to-Point Wiring for Fast, Easy Assembly

All Silicon Transistors to Minimize Drift, Ensure Maximum Reliability and Temperature Stability

Top-Quality Potentiometers Are Adjustable at Rear Panel for Accurate Setup, Precise Generator Setup

KG-687 Sweep/Marker Generator Kit

- Sweep Width Continuously Variable—0 to As High As 18 MHz
- Automatic Level Control with AC/DC Coupled Feedback
- Both Sweep and Marker Oscillators Have Easy-to-Read 4" Dial
- RF Retrace Blanking, Horizontal Phase Adjustable for Scopes

Professional-quality sweep/marker generator kit—an absolute "must" for today's complex color and black-and-white TV, FM and stereo-FM servicing. Provides an all-electronic sweep up to 18 MHz wide at highest center frequency; and has built-in crystal controlled and variable post-injected marker system for non-distorting markers. Sweep oscillator covers 3 to 220 MHz on five fundamental bands; marker oscillator covers 2 to 225 MHz on four bands (three fundamental, one harmonic). Deluxe solid-state circuit boasts all *silicon* transistors to minimize drift, ensure maximum reliability and temperature stability under all operating conditions.

Features a fully regulated power supply for exceptional output stability; dual regulated and calibrated 0 to -20 V AGC bias supplies to provide accurate bias voltages for units under test. Automatic level control with special AC/DC coupled feedback permits constant output even when changing frequencies. 5-band saturable reactor provides all electronic sweep has no moving parts. Includes 4-step decade attenuator, plus a continuously variable level control. Both sweep and marker oscillators have easy-to-read 4" metal dial marked in two alternating colors; 6:1 planetary ball vernier drive with anti-backlash for smooth accurate tuning and frequency resettability.

Has RF retrace blanking and horizontal phase adjustment for use with oscilloscopes: front panel horizontal and vertical scope outputs. Open chassis layout and point-to-point wiring speed assembly. 4.5-MHz crystal may be internally mixed with variable marker; has front panel on-off switch for crystal function. With 4.5-MHz crystal, all parts, solder, heavy-gauge steel case, instructions. For 110-130 V, 50-60 Hz AC.

22 B 3994 W. Shpg. wt., 13 lbs. \$6 Monthly. 120.00
22 B 3356 W. 5-MHz Crystal. Fits HC-6/U Holder. Wt., 2 oz. 4.95
22 B 3357 W. 10.7-MHz Crystal. Fits HC-6/U Holder. Wt., 2 oz. 4.95

SPECIFICATIONS

Sweep Oscillator:

Frequency Ranges: 3 to 220 MHz (center frequencies in 5 fundamental bands). Output Levels: 3 to 50 MHz, 0.3 volt rms minimum; 50-120 MHz, 0.1 volt rms minimum; 120 to 220 MHz, 0.05 volt rms minimum. Amplitude Regulation: for sweep widths not to exceed 20%; 3 to 50 MHz, ± 5 dB; 50-220 MHz, ± 1 dB. Output Impedance: 75 ohms. Output Attenuator: 4-step decade plus continuously variable level control. Sweep Width: continuously variable from 0-18 MHz on Band B; 0-8 MHz at TV IF frequencies. Sweep Frequency: 60 Hz.

Marker Oscillator:

Variable Frequency Ranges: Band A, 2 to 6.7 MHz; Band B, 6.6 to 21 MHz; Band C, 21 to 75 MHz; Band D (Harmonic), 65 to 225 MHz. Fixed Frequencies: 4.5-MHz crystal included, may be mixed internally with variable marker, 500 kHz to 20 MHz crystals in MIL HC-6/U holders may be used. Crystals fit in front panel socket.

General:

AGC Bias Supplies: Independently adjustable from 0 to -20 volts. $\pm 5\%$ Accuracy.

Cables Supplied: RF Output (75-ohm termination). Demodulated Signal. Vertical Scope, Horizontal Scope. 2—AGC Bias Supply Leads.

Semiconductor Complement: 9 silicon transistors and 5 diodes.

Power Consumption: 11 watts.

Overall Size: $14\frac{3}{4} \times 7\frac{3}{4} \times 10\frac{3}{4}$ ". Metal case has rubber feet, may be stacked for use with other Knight-Kit Lab instruments.

...another first in test instruments

SOLID-STATE CIRCUIT

KG-688 SINE/SQUARE WAVE GENERATOR KIT USES SULZER OSCILLATOR CIRCUIT WITH FIELD EFFECT TRANSISTOR . . CONSTANT IMPEDANCE, CALIBRATED STEP ATTENUATORS AND EXTENDED FREQUENCY COVERAGE

Kit
\$75⁰⁰
 \$5 monthly

Sine Wave:
 20 Hz to 2 MHz in 5 Ranges
 Square Wave:
 20 Hz to 200 kHz in 4 Ranges



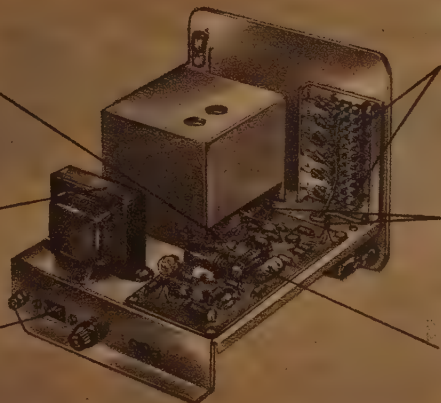
Ideal for Audio/Ultrasonic/AM/Testing

Deluxe Circuit Features of the KG-688

Field-Effect Transistor in precision Sulzer oscillator circuit offers accurate, full decade ranges

Heavy-duty regulated dual power supply with 4 Zener diodes for excellent circuit regulation and stability

Line cord detaches from case for quick, convenient storage when equipment is not being operated



Constant impedance, precision-calibrated step attenuators provide up to 41 dB attenuation in discrete 1 dB steps

Complementary-symmetry output circuit for low impedance and distortion. Symmetrical fast-rise-time square waves

Barreter element employed in multiple feedback loop gives constant amplitude output for precision testing

CHECK THESE OUTSTANDING FEATURES

All Silicon Semiconductors for Excellent Stability
Clearly Calibrated, Heavy-Gauge Aluminum Dial
6:1 Planetary-Ball, Antibacklash Vernier Drive
Heavy Molded Hairline Cursor for Exact Selection

- ✓ Sine Wave Frequency Range Covers Entire AM Band
- ✓ Sine Wave Output Adjustable 0 to 7.5 Volts rms
- ✓ Square Wave Rise Time Less Than 0.1 μ sec at 20 kHz
- ✓ Square Wave Output Adjustable 0 to 10 Volts P-P

KG-688 Sine/Square Wave Generator Kit

Another convincing example of Knight-Kit design excellence! An all-new, precision solid-state Sine/Square Wave Generator Kit—priced well within the reach of the technician, serviceman or hobbyist. It's an ideal signal source for all types of electronic equipment—audio amplifier circuits, transducers, sonar and supersonic apparatus, medical and geophysical equipment, servos, video frequency circuits and low radio-frequency equipment. Sine wave frequency range from 20 Hz to 20 MHz, covers the entire AM broadcast band. Square wave frequency range covers 20 Hz to 200 kHz. Uses all silicon transistors for excellent stability and reliability.

Precision Sulzer oscillator circuit boasts a Field-Effect-Transistor for outstanding stability and accuracy. Complementary-symmetry output circuit provides low impedance and distortion. Constant amplitude output is obtained through the use of a multiple feedback loop employing a barreter element. Sine wave output voltage is adjustable from 0-7.5 volt rms into loads of 10,000 ohms or higher. Square wave voltage is adjustable from 0-10 volts p-p into high-impedance loads. Constant impedance, calibrated step attenuators provide up to 41 dB attenuation in discrete 1 dB steps. Single-range, clearly calibrated 4" dial has smooth 6:1 planetary ball vernier drive for accurate frequency selection and resettability.

Front panel features a control post available at rear of chassis. Positive lock, 5-way binding posts accept standard GR plugs. Careful chassis design and neat point-to-point wiring make assembly easy. Rugged, .047" gauge steel case has baked wrinkle, scuff-resistant finish, decorative extruded aluminum bezel. Line cord is detachable for quick, convenient storage when unit is not in use. Overall size, $7\frac{3}{4} \times 7\frac{3}{8} \times 1\frac{3}{4}$ ", may be stacked with other Knight-Kit test instruments. With all parts, solder, easy-to-follow step-by-step instructions. For 110-130 volts, 50-60 Hz AC.

Price \$39.95 W. Shpg. wt., 10 lbs. \$5 Monthly. 75.00

SPECIFICATIONS

Sine Wave Section. Frequency Coverage: 20 Hz to 2.0 MHz in 5 ranges. X10; 20 Hz to 200 Hz; X100, 200 Hz to 2 kHz; X1K, 2 kHz to 20 kHz; X10K, 20 kHz to 200 kHz; X100K, 200 kHz to 2 MHz. **Output Voltage:** adjustable 0-7.5 volts rms into loads of 10K ohms or higher, 0-6.5 V into 600 ohms. **Output Level:** ± 1 dB to 1 MHz; ± 2 dB to 2 MHz. **Source Impedance:** 600 ohms nominal using step attenuators. **Output Attenuator:** Step; to 41 dB in discrete 1 dB steps (6 switches). Accuracy is $\pm 5\%$ when terminated into 600-ohm load. Fine; continuous down to 0.5 mV output used with step attenuator. **Distortion:** less than 0.25% across the entire audio range. **Frequency Accuracy:** $\pm 3\%$ over entire range, except $\pm 5\%$ below 100 Hz and above 1 MHz.

Square Wave Section. Frequency Coverage: 20 Hz to 200 kHz in 4 ranges. X10; 20 Hz to 200 Hz; X100, 200 Hz to 2 kHz; X1K, 2 kHz to 20 kHz; X10K, 20 kHz to 200 kHz. **Output Voltage:** adjustable 0-10 volts p-p into high-impedance loads. **Source Impedance:** 200 ohms nominal. **Rise Time:** less than 0.1 microsecond at 20 kHz.

General: Power Requirements: 110-130 volts, 50-60 Hz AC. **Power Consumption:** 15 watts. **Overall Dimensions:** $7\frac{3}{4} \times 7\frac{3}{8} \times 1\frac{3}{4}$ " (HxWxD).



knight-kit

You Can Get Started in with These Exclusive Basic Educational

Best

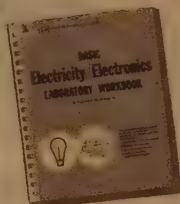


Deluxe KG-640 VOM Kit features 57 total ranges, easy-to-read $4\frac{1}{2}''$ scale. Includes test leads, batteries.



Basic Workbook

"Basic Electricity/Electronics Lab Workbook" Contains Dozens of Projects and Experiments Keyed Directly to the 5 Volume Howard W. Sams Set Pictured Above



Deluxe Outfit Includes All This

Knight-Kit KG-640 20,000 Ohms/V VOM Kit; 3 $\frac{1}{2}$ x $\frac{3}{2}$ and 4 x $\frac{3}{16}$ screwdriver; Ungar Model 7913 soldering iron; 6 $\frac{1}{2}$ long nose pliers; 2 diagonal cutting pliers; 5-Volume set by Howard W. Sams: Vols. 1 thru 5: "Basic Principles and Applications," "How AC and DC Circuits Work," "Understanding Tube and Transistor Circuits," "Understanding and Using Test Instruments," "Motors and Generators, How They Work," plus Basic Lab Workbook, above.

Save **\$69⁹⁵** \$5 monthly
\$6.29

Deluxe Educational Kit Outfit With KG-640 57-Range VOM

Our finest educational electronics kit outfit. Includes: Knight-Kit KG-640 VOM Kit; 5-Volume Howard W. Sams Basic Electricity/Electronics Programmed Text; Electricity/Electronics Lab Workbook; Complete Kit-Building Tool Outfit. 5-volume programmed text offers a thorough grounding in the theory and principles of electronics. Has fully detailed explanations of AC and DC circuits, tubes, transistors, test equipment, motors and generators—much more. Workbook contains dozens of interesting projects keyed directly to the 5-volume set. Books are clearly written, illustrated.

Deluxe VOM features 57 total ranges; has 20,000 ohm/volt DC sensitivity, burnout/protected meter movement; easy-to-read $4\frac{1}{2}''$ meter with mirrored scale. Provides accurate measurements of AC, DC and output voltage; DC current, resistance, and decibels. (See page 464 for complete description and specifications.) Tool outfit (described above) includes everything needed for fast, easy kit assembly. VOM size, 6 $\frac{3}{4}$ x 5 $\frac{1}{4}$ x 3 $\frac{3}{4}$ ". Kit includes all parts, solder, test leads, batteries, detailed instructions. 22 B 0532 12W. Shpg. wt., 12 lbs. \$5 Monthly... \$69.95

Fascinating Electronics Hobby Today . . .

Kit Outfits from Famous *knight-kit*



Good



Informative Book Plus Complete Tool Set

Save \$2.34 **\$17.95**

Educational Kit Outfit With Pocket VOM

Outstanding starter kit outfit. Detailed book provides a thorough working knowledge of basic electricity and electronics; and the pocket-size VOM is ideal for fast testing and troubleshooting of radios, TV's, appliances. Includes: Knight-Kit 13-Range VOM Kit; Howard W. Sams Book "Basic Electricity and an Introduction to Electronics"; Complete Kit-Building Tool Outfit. VOM accurately measures voltage, current, resistance, and decibels. (See page 481 for complete description and specifications.) Illustrated basic electronics book covers theory and principles of radio, TV; explains test equipment, tube and transistor circuits—much more. VOM size, 4x2 7/8 x 2 1/8". With all parts, test leads, batteries, instr.

22 B 0540 L2W Shpg. wt., 3 lbs. \$5 Monthly. . . 17.95



Basic Electricity/ Electronics Book, Complete Tool Outfit

Save \$2.64 **\$29.50** \$5 monthly

Educational Kit Outfit With KG-645 VOM

Excellent hobbyist kit outfit. Includes: Knight-Kit KG-645 4 1/2" VOM Kit; Howard W. Sams Book "Electronics for the Beginner"; Complete Kit-Building Tool Outfit. Quality VOM features complete burnout protection; 1000 ohms/volt AC and DC sensitivity; easy-to-read 4 1/2" two-color meter. (See page 466 for complete description and specifications.) Comprehensive, illustrated basic book covers electrical theory and principles, explains many types of equipment; has interesting experiments and projects. VOM size, 6 3/4 x 5 1/4 x 2 3/4". With all parts, solder, test leads, batteries, instructions. Shpg. wt., 5 lbs.

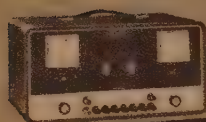
22 B 0539 L2W. \$5 Monthly. . . 29.50



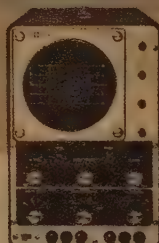
Better

Complete Test Equipment Kit Groups

FOR SERVICE, ALIGNMENT, MEASUREMENTS, EXPERIMENTING



Save
\$11.50



Save
\$8.95



Experiment and Design Group

Separately,
\$251.45

\$239⁹⁵

\$12
monthly

Deluxe service group for tube and transistor circuit design. Includes: Knight-Kit KG-663 0-40 VDC Power Supply Kit; KG-664 0-400 VDC Power Supply Kit; KG-675 Resistance and Capacitance Substitution Box Kit; and KG-625 6" VTVM Kit. VTVM has $\frac{1}{2}$ VDC full-scale range, single AC-Ohms/DC test probe. With all parts, solder, instructions.

22 B 0275 L4ZW. Shpg. wt., 48 lbs. Express. 239.95

Basic TV Service Group

Separately,
\$216.45

\$207⁵⁰

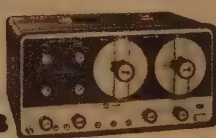
\$11
monthly

Makes TV servicing easier, more accurate. Complete outfit includes: Knight-Kit KG-635 5" DC-to-5.2-MHz Oscilloscope Kit; KG-625 6" VTVM Kit; KG-600B Tube Tester Kit. Tube tester checks over 2300 tube types. Oscilloscope has color bandpass of ± 0.5 dB; vertical response of ± 1.5 dB, DC to 5.2 MHz. With all parts, instructions.

22 B 0276 L3ZW. Shpg. wt., 51 lbs. Express. 207.50

Save \$17.90

Deluxe Color TV Service Group



Separately, \$426.40. Everything needed for complete color TV servicing and alignment. Includes: Knight-Kit KG-635 DC-to-5.2-MHz 5" Oscilloscope Kit; KG-625 6" VTVM Kit; KG-687 Sweep Marker Generator Kit; KG-685 Color Bar/Pattern Generator Kit; KG-600B Tube Tester Kit. Solid-state sweep marker generator features

crystal-controlled and variable post injection markers; sweep oscillator from 3-220 MHz, marker oscillator from 2-225 MHz. Solid-state Color Bar generator has 7 displays with stable, crystal-controlled patterns. Includes all parts, solder, instructions. Shpg. wt., 79 lbs.

22 B 0277 L5ZW. Express. 408.50

\$408⁵⁰

\$19 monthly

Save
\$6.57



Save
\$17.12



Save
\$11.45



Audio/AM Radio Group

Separately,
\$154.45

\$147⁸⁸

\$8
monthly

For service of audio equipment, alignment of AM radios. Includes: Knight-Kit KG-640 20,000 Ohms/Volt VOM Kit; KG-688 Sine/Square Wave Generator Kit; KG-661 0-25 VDC Power Supply. Solid-state sine/square wave generator covers 20 Hz to 2.0 MHz (200 kHz square wave). 22 lbs.

22 B 0278 L3ZW. Express. 147.88

Measuring/Aligning Group

Separately,
\$415.00

\$397⁸⁸

\$18
monthly

For precision measuring, alignment of electronic equipment. Includes: Knight-Kit KG-635 5" DC to 5.2 MHz Oscilloscope Kit; KG-686 Solid-State RF Signal Generator Kit; KG-687 Solid-State Sweep/Marker Generator Kit; KG-688 Solid-State Sine/Square Wave Generator Kit. Shpg. wt., 87 lbs.

22 B 0279 L4ZW. Express. 397.88

CB Servicing Group

Separately,
\$269.40

\$257⁹⁵

\$13
monthly

For CB testing and servicing. Includes: Knight-Kit KG-625 6" VTVM Kit; KG-686 Solid-State RF Generator Kit; KG-663 Solid-State 0-40 Volt DC Power Supply Kit; "Ten-2" CB Tester Kit. CB tester measures RF output power, relative SWR, field strength, modulation, more. Wt., 46 lbs.

22 B 0280 L4ZW. Express. 257.95

KG-661 0-25 Volt DC Power Supply Kit

NEW
knight-kit
TEST INSTRUMENTS 

**REGULATED FOR LINE AND LOAD VARIATIONS PLUS AUTOMATIC
CURRENT LIMITING CIRCUIT—FULLY SHORT-CIRCUIT PROTECTED**



Kit
Form

\$34⁵⁰

\$5 monthly

**0-25 Volts DC
0-0.5 Ampere**

- All Silicon Transistors for Outstanding Temperature Stability
- Offers Twice the Available Current of Comparably Priced Units
- Ideal Battery Substitute for Servicing or Designing Transistor Radios
- Generous Heat-Sinking for Dependability

Unbeatable value in a fully regulated *solid-state* DC power source! Ideal for engineers, service technicians and hobbyists. Serves as a well-filtered DC source for transistorized bread-boarded set-ups in research and development; great for battery substitution in transistor radio servicing. Can be used with virtually any electronic equipment requiring low voltage, low current regulated DC power. Offers 0-25 volts DC at 0-0.5 amp. Automatic current limiting at .7 amp (short-circuited condition) provides complete burnout protection.

Both line and load variations are fully regulated for constant voltage. Output has low ripple—less than 7 millivolts rms at full rated load. Front panel meter continuously monitors voltage. Has two five-way isolated output binding posts on front panel; chassis binding post on rear panel for convenient positive or negative grounding. Generous heat sinking assures long transistor life. Rugged military-type terminal boards for strength and reliability.

In rugged, well-ventilated metal case with handsomely styled charcoal-gray front panel. Overall size, $5\frac{1}{2} \times 4\frac{1}{4} \times 7\frac{1}{2}$ ". Line cord is detachable for convenient storage or service. With all parts, wire, solder, step-by-step instruction manual. For 110-130 volts, 50-60 Hz AC. Shpg. wt., $6\frac{1}{2}$ lbs.

22 B 3902 W. \$5 monthly **34.50**



KG-661 SPECIFICATIONS

Output Voltage: 0-25 volts DC. **Output Current:** 0-0.5 ampere. **Circuit Protection:** automatic current limiting at 0.7 ampere (short-circuited condition). **Input Voltage Range:** 110-130 volts, 50-60 Hz AC. **Output Voltage Regulation:** less than 0.20 volt variation from no load to full rated load. **Line Voltage Regulation:** less than 0.25 volt variation over 110-130 volt input range. **Ripple Output:** less than 7 millivolts rms at full rated load. **Output Impedance:** 1.0 ohm, DC to 100 kHz. **Binding Posts:** two five-way (positive and negative) on front panel, chassis isolated; chassis binding post on rear panel for positive or negative ground. **Semiconductors:** 4 silicon transistors, 7 diodes. **Power Consumption:** 10 watts (no load).

Power Supply Book

Solid-State Power Supplies and Converters. By Allen Lytel. Covers basic facts and theories of rectifiers, transistorized power supplies in communications, industrial and hobby circuits. Size, $5\frac{1}{2} \times 8\frac{1}{2}$ ", 128 pages.

22 B 3037 EW. Shpg. wt., 8 oz. **2.50**





NEW
knight-kit
LAB INSTRUMENTS

KG-664 Regulated 0-400 V DC Power Supply Kit

**COMPACT THREE-IN-ONE SUPPLY DELIVERS
REGULATED VARIABLE DC PLATE AND BIAS VOLTAGES
PLUS AC FILAMENT VOLTAGES**



\$94⁵⁰

\$5 monthly

**0 to 400 Volts DC at 200 mA
0 to -100 Volts DC at 1 mA
6.3 and 12.6 VAC Filament Supply**

- Less Than 1.0% Variation in Output from No Load to Full Load
- Two Front Panel Meters Monitor Voltage and Current Simultaneously
- Output Has Less Than 5 Millivolts rms Ripple, Jitter, and Noise

This versatile B+/filament/DC bias supply kit fills the need for multiple voltages required in circuit development, check, and repair. Delivers 0 to 400 volts of regulated DC power at up to 200 mA continuously; 0 to -100 volts DC bias power at 1 mA regulated for line variation; and 6.3 volts AC at 3 amps; 6.3 volts AC at 3 A for filament supply voltage. Deluxe tube and semiconductor circuit and top-quality components throughout for years of trouble-free performance.

Two Simpson D'Arsonval front-panel meters monitor voltage and current simultaneously. Switchable voltmeter measures either 0 to 400 B+ voltage or 0 to -100 bias voltage. Ten isolated five-way binding posts on front panel offer maximum versatility of ground polarity connections; also has rear chassis binding post. Output has less than 5 millivolts rms ripple, jitter, and noise under all conditions.

Has heavy-duty Operate/Standby switch; detachable line cord. Heavy-duty transformer and convection-type cooling for efficient operation. Well-ventilated metal case, 7 $\frac{3}{4}$ "x14 $\frac{3}{4}$ "x9 $\frac{3}{4}$ ". Open chassis layout and point-to-point wiring for easy assembly. With all parts, solder, instructions. For 110-130 V, 50-60 Hz AC. Shpg. wt., 20 lbs.

22 B 3905 W. \$5 Monthly **94.50**

KG-664 SPECIFICATIONS

Voltage Outputs: 0-400 volts regulated DC at 0-200 mA continuous; 0 to -100 volts DC variable bias voltage at 1 mA; 6.3 volts AC at 3 amps; 6.3 volts AC center-tapped at 3 amps; 6.3 volts AC at 6 amps (parallel connection); 12.6 volts AC at 3 amps (series connection).

High-Voltage Capacity: 80 watts.

Load Regulation: less than 1.0% variation in output voltage from no load to full rated load.

Output Impedance: less than 10 ohms.

Ripple, Jitter, and Noise: less than 5 millivolts rms at full rated load.

Input Voltage Range: 110-130 volts, 50-60 Hz AC.

Input Voltage Regulation: less than 1.0% variation in output voltage for ± 10 volts variation in 120 VAC input.

Front Panel Meters: Voltmeter, 0 to 400 volts, 0 to -100 volts (switchable). Milliammeter, 0-300 mA.

Active Elements: Four 6L6GC (pass tubes), one 0A2 and one OB2 (regulators), one 6DK6 (control tube).

Diodes: 7 silicon semiconductors.

Power Consumption: 70 watts (no load).

Size: 7 $\frac{3}{4}$ "x14 $\frac{3}{4}$ "x9 $\frac{3}{4}$ " (HWD).

KG-663 Regulated 0-40 Volt Solid-State DC Power Supply Kit

REGULATED FOR LINE AND LOAD VARIATIONS
WITH VARIABLE AUTOMATIC CURRENT LIMITING CIRCUIT
PLUS REMOTE PROGRAMING AND SENSING



0-40 Volts DC
0-1.5 Amperes

\$94⁵⁰ \$5
monthly

KG-663 SPECIFICATIONS

Output Voltage and Current: 0-40 VDC, 0-1.5 A continuously variable.

Load Regulation: less than 60 millivolts rms change from no load to full rated load at any voltage.

Output Impedance: less than 0.1 ohm, DC to 10 kHz, 0.5 ohm to 100 kHz.

Ripple: less than 0.6 millivolt rms under all load conditions.

Line Regulation: less than 0.3 volt variation over input variation of 110-130 VAC at any voltage.

Front Panel Meters: Voltmeter, 0-50 V. Ammeter, 0-2.0 A $\pm 2\%$ Accuracy.

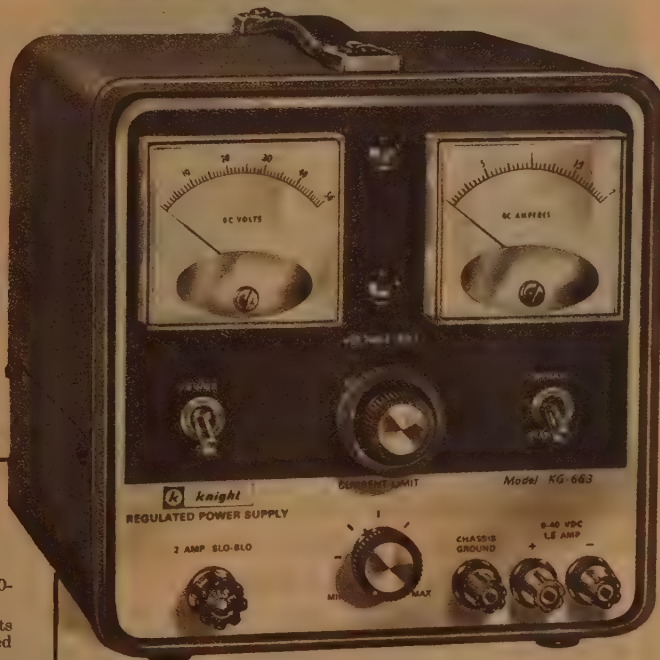
Circuit Protection: primary fuse for component failure; automatic current limiting for short-circuit.

Termination: terminal strips on rear panel for input, output, remote sensing/programming, ground. Front panel binding posts for positive or negative voltage, chassis ground.

Duty: continuous full load at ambient temperature from 0-40° C. (Still air.)

Semiconductors: 6 silicon transistors, plus 12 diodes.

Size: 7 $\frac{3}{4}$ x7 $\frac{1}{2}$ x10 $\frac{3}{4}$ ". May be stacked with other Knight-Kit lab instruments.



- Less Than 60 Millivolts rms Change from No Load to Full Rated Load
- All-Silicon-Transistor Circuit for Excellent Stability and Reliability
- Two Front Panel Meters Monitor Voltage and Current Simultaneously

Feature-packed low-voltage regulated DC power supply kit, ideal for all types of lab, shop, service and educational uses. 0-40 volts regulated DC power at 0-1.5 amps. 0-100% continuously variable current limiting control provides complete short-circuit protection by automatically limiting current to a safe value. Heavy-duty transformer and convection-type cooling for efficient operation; stable silicon transistor circuit for excellent temperature stability.

Two Simpson D'Arsonval meters monitor voltage and current simultaneously. Has heavy-duty Operate/Standby switch; concentric coarse and fine voltage adjust controls. Rear panel terminal strips for input, output, and ground connections, plus remote programming and sensing. Two pilot lights signal standby or operate. Filtered and regulated for low ripple output, less than 0.6 millivolt rms at full load.

Positive-lock 5-way binding posts accept standard GR plugs. Output is available at both front and rear panels. Open chassis layout and point-to-point wiring for easy assembly. Well-ventilated metal case, 7 $\frac{3}{4}$ x7 $\frac{1}{2}$ x10 $\frac{3}{4}$ ". With all parts, solder, easy-to-follow instructions. For 110-130 V, 50-60 Hz AC. Shpg. wt., 16 lbs.

22 B 3904 W. \$5 Monthly..... **94.50**



knight-kit
TEST INSTRUMENTS

0-15 VDC Power Supply Kit

LOW-VOLTAGE HIGH-CURRENT KG-660.

IDEALLY SUITED FOR MANY SERVICE, LAB AND INDUSTRIAL APPLICATIONS PLUS 6 AND 12-VOLT STORAGE BATTERY CHARGING



KG-660 SPECIFICATIONS

Voltage Output: continuously variable from 0-15 volts. **Variable Voltage Ranges:** 0-8 volts, 0-15 volts. **Continuous Ratings:** 15 amperes at 6 volts, 7½ amperes at 12 volts. **Intermittent Ratings:** 20 amperes at 6 volts, 10 amperes at 12 volts. **Operating Voltage:** 110-130 volts, 60 Hz AC. **Power Consumption:** 220 watts maximum at full rated output. **Circuit Protection:** transformer primary, 4 ampere Slo-Bio fuse. Transformer secondary, automatic 20-ampere thermal cutout with 10-second delay. **Filtering:** 17,000 microfarad industrial grade capacitor for minimum ripple in output. **Rectifiers:** alternator-type silicon diodes for maximum efficiency and dependability. **Binding Posts:** color-coded (red-positive, black-negative) on front panel. Heavy-duty posts for up to #6 wire. **Front Panel Controls:** on-off switch, range selector switch, variable voltage control. **Meters:** two on front panel, calibrated 0-15 volts, 0-20 amperes. Heavy-duty direct-reading automotive type. **Pilot Lamp:** #47 bulb. **Line Cord:** 16-gauge, heavy-duty. **Carrying Weight:** 10 lbs., 10 oz. **Overall Dimensions:** (HWD) 9x12x5", knobs extend 1" from panel.

Auto Radio Servicing Book

Howard W. Sams "Auto Radio Servicing Made Easy" Book. By Wayne Lemons. Instructive guide to quickly localizing and repairing defects in all types of automobile radios. 128 pages. Overall size, 5½x8½". Shpg. wt., 12 oz.
22 B 3146 EW.....2.95



Kit
Form **\$39.95**
\$5 monthly

0-15 Volts DC
0-6 V at 15 Amps
0-12 V at 7½ Amps

- Dual Range, 0-8 VDC and 0-15 VDC
- For Transistorized, Vacuum-Tube, or "Hybrid" Electronic Equipment
- Fused Primary—Automatic Thermal Cutout in Secondary for Circuit Protection
- Checks 20% Below, 25% Above Voltage

An economical low-voltage high-current DC supply for equipment requiring a well-filtered source of 6 or 12 volts DC. Has a wide range of uses: tests battery operated transmitters; amplifiers; marine and aircraft receivers; Citizens Band transceivers; auto radios; other mobile equipment. Runs many small electrical devices: solenoids; relays; model trains; road-races. Charges 6 and 12-volt storage batteries overnight. Conservatively rated components and advanced solid-state circuit assure long life and steady, reliable service.

Offers two ranges of continuously variable output: 0-8 volts, 0-15 volts. Rated 15 amps at 6 volts; 7½ amps at 12 volts. Two front panel meters monitor voltage and current simultaneously. Meters are calibrated 0-15 volts and 0-20 amps. Circuit employs silicon diode rectifiers for excellent stability; 17,000 µF filter for minimum ripple in output. Fused transformer primary and automatic thermal cutoff in secondary for circuit protection.

Checks units 20% below and 25% above nominal voltage—helps locate defective or intermittent vibrators and components. In rugged black metal case, 9x12x5", charcoal gray/silver panel. With all parts, solder, detailed instructions. For 110-130 volts, 60 Hz AC. Shpg. wt., 13 lbs.

22 B 3912 W. \$5 Monthly.....39.95

Our Economy Line of Test Equipment Knight-Kits

FOR YOUR SERVICE BENCH, HOBBY CORNER OR CADDY

KG-650 RF Signal Generator Kit

With Test Leads
\$27⁹⁵
\$5 monthly

- Fundamental Coverage from 160 kHz through 112 MHz
- Precision Wound Coils Require No Calibration
- Modulated and Unmodulated RF, plus 400-Hz Outputs
- Provision for External Modulation Sources

Here's a stable RF signal generator kit ideal for AM, FM, and TV alignment. Wide-range fundamental output (160 kHz to 112 MHz) is divided into five separate bands for quick, precise selection of desired frequency. Calibrated second harmonics are usable to 224 MHz. Large, clearly calibrated dial has smooth, precise vernier drive for complete tuning accuracy.

Both step and continuous-type attenuators for exact adjustment of output voltage. Output is available modulated, unmodulated, or as 400 Hz sine wave. 400-Hz output is adjustable to more than 10 volt level for checking audio amplifiers, small speakers, other audio devices. Also has provision for external modulation.

Precision Colpitts oscillator circuit and cathode-follower outputs provide maximum isolation and stability. Transformer operated power supply gives dependable service and operating safety. $7\frac{1}{2} \times 10\frac{1}{2} \times 5\frac{1}{2}$ ". Black metal case, charcoal gray and silver front panel. With all parts, leads, solder, step-by-step instruction and operating manual. For 110-130 V, 60 Hz AC. Shpg. wt., 8 $\frac{1}{2}$ lbs.

22 B 3953 W. \$5 Monthly... **27.95**



KG-650 SPECIFICATIONS

Ranges—Calibrated Fundamentals: Band A, 160-550 kHz; Band B, 550-1850 kHz; Band C, 1850 kHz to 7 MHz; Band D, 7-27 MHz; Band E, 27-112 MHz. **Calibrated Second Harmonics:** usable to 224 MHz. **Radio Frequency Output:** in excess of 400,000 microvolts. **Modulation Frequency:** 400 Hz. **Audio Output:** in excess of 10 volts at 400 Hz. **Attenuator:** 3-positioned switched plus continuously variable. **Tube Complement:** 6C4, 12AT7; selenium rectifier.

13-Range Pocket VOM Kit

With Leads,
Battery
\$9⁹⁵

- Slightly Larger Than A Pack of Cigarettes
- Reads Voltage, Current and Resistance
- 1000 Ohms per Volt DC Sens.



Pocket VOM kit, ideal for servicemen, hobbyists, experimenters. Two-color, $2\frac{1}{2}$ " meter has 13 ranges: 0-15-50-150-500 volts DC; 0-1-10-100 mA; 0-15-50-150-500 volts AC; 0-30K ohms (1200 ohms center scale). 5% tolerance multipliers and shunts. Black bakelite case, pre-installed jacks. 1000 ohms/volt DC sensitivity; 1 mA full scale movement. Easy to assemble. $4\frac{1}{2} \times 2\frac{1}{2} \times 2\frac{1}{2}$ ". With solder, test leads, 1 $\frac{1}{2}$ -volt Type 7 battery. Shpg. wt., 1 lb

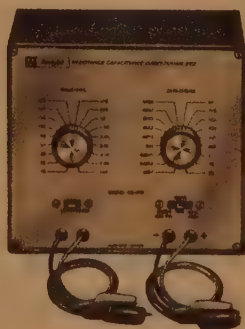
9.95

22 B 3708 W

KG-675 R and C Sub Box Kit

With Leads
\$17⁵⁰

- 36 Switch-Selected Resistance Ranges
- 19 Switch-Selected Capacitance Ranges
- Over 1400 R-C Combinations



Resistance-capacitance substitution box eliminates need for soldering and resoldering when substituting. 4 separate leads allow simultaneous resistance and capacitance substitution with more than 1400 combinations. 36 resistance ranges from 15 ohms to 10 meg. 18 capacitance ranges from .0001 to .22 μ F, plus 40 μ F electrolytic @ 450 VDC and 750 mA silicon rectifier @ 800 PIV. $7\frac{1}{2} \times 8\frac{1}{2} \times 4$ ". Black case, silver panel. With all parts, test leads, instructions. Shpg. wt., 2 $\frac{1}{2}$ lbs.

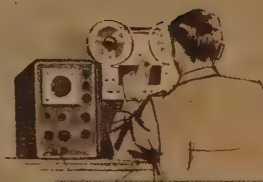
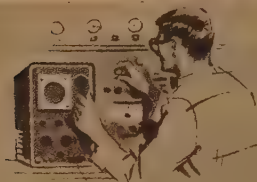
17.50

22 B 3960 W



knight-kit
LAB INSTRUMENTS

KG-2100 DC-to-5-MHz Triggered-Sweep Scope Kit

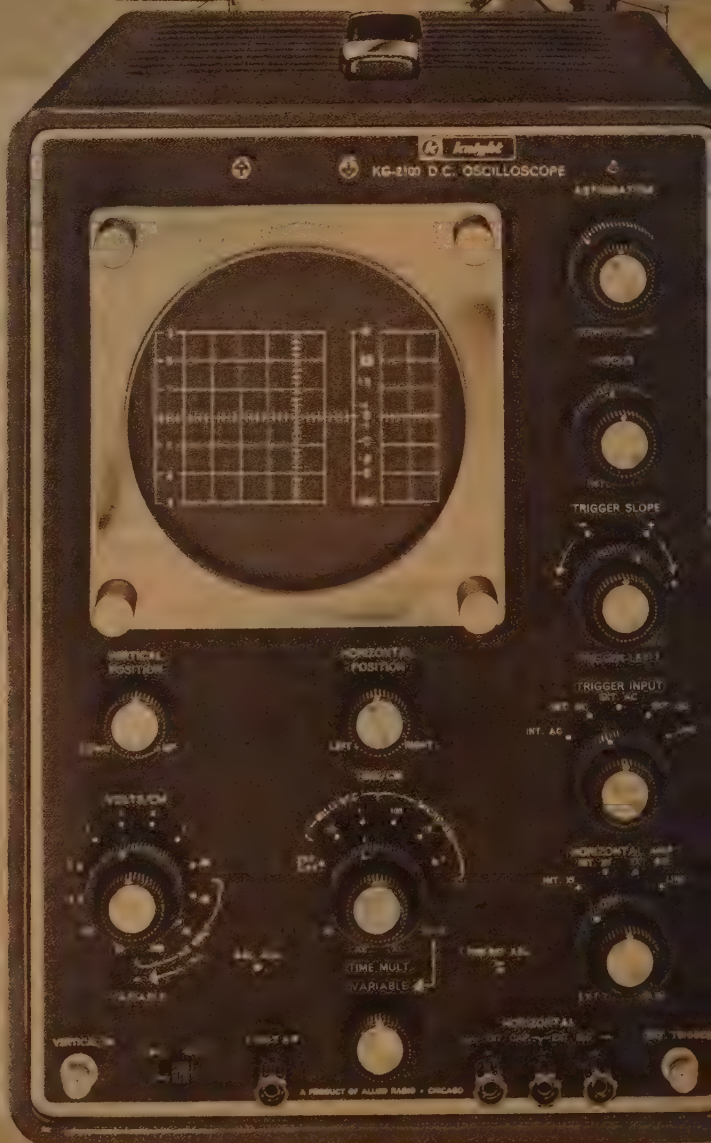


\$245⁰⁰

\$13 monthly

**Dollar for
Dollar and
Feature for
Feature, this
DC-to-5-MHz
Triggered-Sweep
Scope Kit Is
Your Best Buy!**

**Meets the Needs
of Laboratories
and Industry**



Our Finest Scope Kit for Laboratory or Shop

**KG-2100 Triggered-Sweep
DC-to-5-MHz Laboratory 5" Scope Kit**

With Built-In Rotron Cooling Fan **\$245⁰⁰** \$13 monthly

- Vertical Sensitivity of 5 mV/Centimeter
- Fast Rise Time of Just 85 Nanoseconds
- Flat-Face CRT Reduces Parallax
- Horizontal Response from DC to 800 kHz
- 200 nsec to .1 Sec/cm Triggered Sweep
- Regulated High and Low-Voltage Power Supplies
- Triggered, Continuous Time Base Control

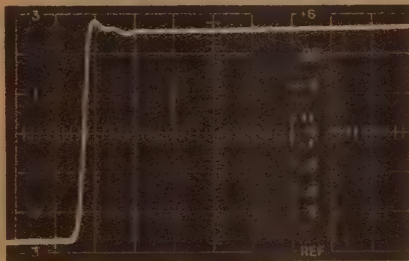
Knight-Kit's finest oscilloscope is designed to meet exacting lab requirements. It features high vertical sensitivity for properly servicing solid-state equipment. Horizontal sensitivity is approximately .04 volt per centimeter, and horizontal amplifier response is DC to 800 kHz, ± 3 dB. DC-to-5-MHz vertical amplifier response permits the display of pulses of fast rise time. Both trigger and amplifier circuits are DC-coupled throughout for uses where very low frequencies or DC levels must be displayed. Vertical off-scale indicators provide maximum convenience in viewing traces. Built-in Rotron cooling fan, plus regulated low and high-voltage power supplies, add to circuit stability and reliability.

Employs triggered, continuous time base control. Signals small as $\frac{1}{2}$ centimeter on CRT face will permit triggering. Pre-set lock-in mode eliminates need for readjustment with input signals of varying amplitudes or frequencies. Pre-set feature may be disabled and continuous slope control will lock in any portion of signal on either positive or negative slope. Sweep speed is adjustable from 200 nsec/cm to .1 sec/cm. External shunt capacitor can be connected to front panel binding post to permit even slower sweep speeds. Sweep timing accuracy capability within 3%. Horizontal position control range is automatically extended when scope is in 5X expansion mode. The 6x10 cm graticule scale is calibrated vertically from -6 to +9 dB. Also has X and Y linear grid.

Color-correlated controls are grouped together for fast, accurate use. Include: focus and astigmatism, intensity, horizontal and vertical positioning. Low-loss BNC-type connectors. Has camera mounting studs for standard camera mounts. Cathode ray tube is flat-faced 5-inch. Circuit uses 21 tubes, plus a premium voltage regulator, 7 diodes, and CRT. Rugged black metal case is $14\frac{1}{4} \times 10\frac{1}{2} \times 8\frac{1}{2}$ ". Attractive dark gray panel has easy-to-read red and white control markings, black knobs. Includes all parts, precut and tinned wires, solder, step-by-step instruction manual, and informative operator's handbook. For 10-130 V, 50-60 Hz AC. Shpg. wt., 45 lbs. Shipped express.

12 B 3970 ZW, \$13 Monthly **\$245.00**
12 B 3949 W. Assembled Low-Capacity Probe. Wt., 1 lb. 22.00

**A Versatile Test Instrument—For
Most Lab and Service Requirements**



An actual photograph of a KG-2100 trace showing fast rise-time, low overshoot and low ringing of a 200-kHz square wave with 35-nanosecond rise time

KG-2100 SPECIFICATIONS

Vertical Bandwidth on DC: DC to 5 megahertz, 3 dB down. Less than 2% overshoot on a 500-kHz square wave. Reference to 1 kHz, with vertical display height of 6 cm, and sensitivity from .05 volt/cm to 20 volts/cm.

Vertical Bandwidth on AC: With AC preamp in .005, .01, and .02 volt/cm ranges, 5 Hz to 1.5 MHz, 3 dB down. Reference to 1 kHz and vertical display height of 6 cm. On ranges from 0.5 volt/cm to 20 volts/cm, AC response is 5 Hz to 5 MHz, 3 dB down.

Rise Time: 85 nanoseconds or less to vertical display height of 6 cm.

Vertical Sensitivity: DC coupled, .05 volt p-p/cm. AC coupled, .005 volt p-p/cm.

Input Impedance: 1 meg shunted by 40 picofarads.

Calibration Voltage: .1 volt, p-p, regulated $\pm 5\%$, output available at front panel.

Horizontal Bandwidth: DC to 800 kHz, ± 3 dB.

Horizontal Sensitivity: Approximately .04 volt/cm. Variable attenuator on front panel.

Input Impedance: 1 megohm.

Sweep Range: .05 sec/cm to 200 nsec/cm in 16 ranges by use of basic sweep ranges (10 milliseconds, 1 millisecond, 100 microseconds, 10 microseconds, 1 microsecond) and multiplier switch plus X5 expansion. 10:1 multiplier vernier control extends slowest sweep speed to .1 sec/cm. Provision for external capacitor for very slow sweeps. Sweep timing accuracy capability is within 3%.

Triggering: Sensitivity: 200 mV external, $\frac{1}{2}$ cm deflection internal.

Triggering Inputs: line, external AC and DC, internal AC and DC. Level is adjustable for triggering, or may be pre-set.

Active Elements: 21 tubes, premium voltage regulator, flat-face CRT, and 7 diodes.

Power Requirements: 110-130 volts, 50-60 Hz AC.

Power Consumption: 200 watts.



knight-kit
TEST INSTRUMENTS

KG-635 Oscilloscope Kit Outfit with Most-Wanted Accessories

\$139⁹⁵

\$7 monthly



Complete outfit helps you do speedy, profitable service jobs. You save \$5.35 off cost of items purchased separately. You get: Knight-Kit KG-635 Wideband Oscilloscope Kit; Direct Test Leads with clips, insulators and double plug; Assembled 12-pF Low-Cap. Probe; Assembled 250-MHz RF Demodulator Probe; Two Howard W. Sams Books: "Know Your Oscilloscope" and "Troubleshooting with the Oscilloscope" (both described below). With step-by-step instructions. Shpg. wt., 30 lbs. Express.

22 B 0079 12ZW. \$7 Monthly.. 139.95



A 22 B 3235 EW. Know Your Oscilloscope.

By P. C. Smith. Covers Power Supplies; Radio-TV Alignment; RF Tuners; etc. 176 pages. Size, 5½x8½". Shpg. wt., 8 oz..... 2.50

B 22 B 3236 EW. Troubleshooting with the Oscilloscope. By R. G. Middleton. Chapters: Oscilloscope Probes; Signal Tracing; Visual Alignments; etc. 192 pages. 5½x8½". Shpg. wt., 8 oz..... 3.95

C 22 B 3189 EW. 101 Ways to Use Your Oscilloscope. (Sams.) 400 illus. 192 pages. 5½x8½". Shpg. wt., 8 oz..... 2.95

D 22 B 3365 EPW. Allied's Understanding and Using Your Oscilloscope. Basic principles, applications, controls. 128 pages; 75 diagrams, 35 illustrations. 5½x8½". Postpaid in U.S.A..... 75¢

5-inch Oscilloscope With DC-to-5.2-MHz Bandwidth

Popular KG-635 Wideband Oscilloscope Kit
—Meets Critical Demands of Color TV

\$125⁰⁰

\$7 monthly

- High Vertical Sensitivity for Accurate Transistor Work
- DC-Coupled Amplifiers Assure Low Phase Shift
- Auto Astigmatism Correction Sharply Focuses Trace
- 1650 Volts on CRT Assure Sharp, Bright Displays

This wideband DC-coupled scope meets practically every test and service requirement—even meets the demands of color TV. Features excellent linearity and lock-in characteristics for stable waveform displays even at upper frequency limits. A unique Dynamic Sync Limiter assures trace stability under all conditions. Automatic astigmatism correction gives uniform focus regardless of trace position on screen. Display-brightening 1650-volt accelerating potential for sharp traces. Compact size saves bench space.

Polystyrene and mylar capacitors are used in frequency-determining networks for highest accuracy and sweep stability. Also uses non-inductive film-type power resistors. Has 5 linear time base ranges: 10, 100 Hz, 100-1000 Hz, 1-10 kHz, 10-90 kHz, 90-400 kHz. Series/shunt peaking and DC coupling provide optimum wideband response. Vertical attenuator is marked directly in volts/inch. Has regulated power supply; retrace blanking; tapped primary transformer for operation from high or low AC line; front panel voltage calibrator output. Calibration controls are easily accessible through case. Needs no other equipment for calibrating.

Graticule scale has X and Y linear grids for easy voltage measurements. Positive lock, 5-way binding posts have standard ¾" spacing. Push-pull on-off/focus control eliminates resetting focus. Neat point-to-point wiring for ease of assembly. Rugged black metal case with charcoal gray and silver-color front panel. With all parts, solder pre-cut and pre-tinned wire, step-by-step assembly instructions, fully detailed operator's manual. Order test probes below. Shpg. wt., 25 lbs. Shipped express only.

22 B 3979 ZW. \$7 Monthly..... 125.00

KG-635 ACCESSORIES

22 B 3152 W. Direct Test Leads. Assembled. Shpg. wt., 6 oz..... 1.95

22 B 3150 W. 12-pF Low-Cap. Probe. Assembled. Shpg. wt., ½ lb. 5.95

22 B 3151 W. 250-MHz RF Demod. Probe. Assembled. Wt., ½ lb. 5.95

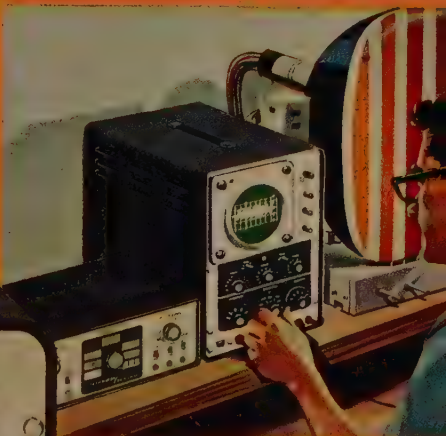
KG-635 SPECIFICATIONS

VERTICAL Sensitivity: 17 mV rms/inch (7 mV rms/cm) minimum. Calibrated at .05 V p-p/inch. **Response:** ±1.5 dB, DC to 5.2 MHz. **Color Bandpass:** ±0.5 dB. **Overshoot:** less than 6%. **Rise Time:** 70 nsec. **Input Impedance:** 3 megs shunted by 35 pF. **Positioning:** ±2 inches. **Attenuator:** frequency compensated, calibrated .05, .5, 5, and 50 volts p-p/inch. **HORIZONTAL Sensitivity:** 0.6 V rms/inch. **Response:** ±1.5 dB, 1 Hz to 400 kHz. **Expansion:** 2 times. **Positioning:** all parts visible. **Inputs:** internal time base, 60 Hz phase controlled, and external. **Input Impedance:** 7 megohms shunted by 25 pF. **Linear Time Base Ranges:** (5) 10-100 Hz 100-1000 Hz, 1-10 kHz, 10-90 kHz, 90-400 kHz. **Synchronization:** internal plus and minus, 60 Hz, and external. Sync limiting provides semi-automatic operation with level control. Locks from waveform fundamentals up to 5 MHz, and display amplitudes as low as 0.1 inch. **External Sync Sensitivity:** 150 millivolts rms at 1 kHz. **Line Sync:** phase variable. **GENERAL CHARACTERISTICS.** **Calibration Voltage:** 60 Hz sinusoidal, 100 mV p-p, ±5%. **Voltage calibrator output** available at front panel jack. **Z-Axis Input:** 10 volts negative for beam cutoff. **Input Impedance:** 1 meg. **Tube Complement:** 9, plus 5" CRT; 2 rectifiers. **Size:** 11½x7½x15½". **Power Requirements:** 110-130 V, 60 Hz AC; 112 watts.

For Color TV Servicing and General Wideband Testing

THE KG-635 MEETS CRITICAL DEMANDS
OF COLOR TV . . . COMPACT DESIGN
SAVES VALUABLE SPACE . . . CALIBRATES
WITHOUT AUXILIARY TEST EQUIPMENT

knight-kit
TEST INSTRUMENTS



Compare Features . . .
Then Compare Price

KG-635 Kit

\$125⁰⁰

\$7 monthly

Dynamic Sync Limiter
assures trace stability

Five Linear Time Base Ranges
most others have three or four

Calibrated Vertical Attenuator
directly reads volts-per-inch

Polystyrene & Mylar Capacitors
assure sweep stability

**Read What The
Experts Say . .**

" . . . All in all, the instrument is well-engineered and a very worthwhile addition to the bench . . . "

ELECTRONICS WORLD

" . . . The scope is about as close as you can get to a 'professional' or 'lab' scope without actually getting one of those . . . "

RADIO-ELECTRONICS

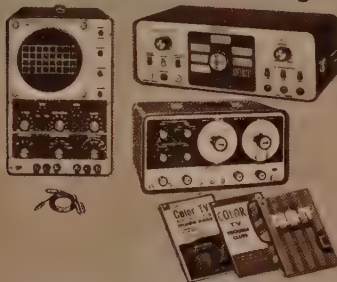
Starter Color Service Package



Separately, \$224.90 **\$218.90** Save \$6.00

Makes color service work easier and faster. Includes: Knight-Kit KG-685 Color Bar/Pattern Generator Kit; KG-635 5-Inch Wide-band Oscilloscope Kit and Set of Direct Test Leads; 3 Helpful Service Books: "Color TV Servicing Made Easy," "Color TV Trouble Clues," and "Know Your Color TV Test Equipment." Shpg. wt., 45 lbs.
22 B 0493 L3W. \$11 Monthly... 218.90

Deluxe Color Service Package



Separately, \$344.90 **\$334.90** Save \$10.00

Same quality components as Starter Package above, plus: Knight-Kit KG-687 RF Sweep/Marker Generator Kit. For TV and FM. Sweep; 3-220 MHz, Marker; 2-225 MHz. Shpg. wt., 58 lbs.
22 B 0488 L4W. \$16 Monthly... 334.90

Sams Color TV Books



A Color TV Servicing Made Easy. Circuits, test equipment, installation, antennas, alignment. 192 pages. 5½x8½".
22 B 3142 EW. Shpg. wt., 12 oz..... 3.25

B Color TV Trouble Clues. Vol. 2. Illustrated guide. 96 pages. 5½x8½".
22 B 3144 EW. Shpg. wt., 5 oz..... 2.25

C Know Your Color TV Test Equipment. Explains instrument function and circuit action. 160 pages. 5½x8½".
22 B 3145 EW. Shpg. wt., 8 oz..... 2.50

D RCA Color TV Pict-O-Guide. Covers troubleshooting and adjusting color TV receivers. 153 pages. 6x9½".
22 B 3223 EW. Shpg. wt., 1¼ lbs..... 6.00

Compact and Portable

PERFECT FOR IN-HOME AND IN-SHOP USE—
PAYS BIG DIVIDENDS—SAVES VALUABLE TIME



3 Crystal-Controlled Oscillators for Stability



Self-Contained Service Light and Mirror



Special Power Transformer for Low External Field



-2-Volt Output for Zenith Color Sets

Model KG-685 Color Bar/Pattern Generator Kit

- Solid-State Design Provides Instant Operation
- Ten Narrow, Brightness-Keyed Color Bars
- All Cables Store Inside Roomy Compartment
- Crystal-Controlled Patterns Eliminate Any Need for Synchronization with TV Set

\$89.95

\$5 monthly

You get the most for your money—outstanding performance, rock-like stability, plus day-in, day-out solid-state reliability with this great Knight-Kit Color Bar/Pattern Generator. Highlighting portability and ease of operation, this precision instrument is the ideal choice for both on-the-bench and in-the-home color TV servicing.

Generates 7 patterns to provide all the displays needed for complete color set adjustments—10 color bar signals; purity, tracking and cross-hatch patterns; dots; vertical lines; horizontal lines. Every display is well-defined with extremely low background noise. Pattern provided for synchronization and quieting when making purity adjustments does not require usual tube removal or other quieting "tricks." Unique gray scale pattern provides 6 discrete levels of brightness for gun tracking adjustments. Horizontal display elements are only one raster-line thick for the ultimate in definition. Crystal-controlled patterns eliminate any need for synchronization with TV set. Insulation-piercing clips on gun interrupters allow fast, safe connection to receiver under test. Solid-state design for instant operation.

Shaded light source on 3-ft. cable has handy clip mount for convenience lighting of service adjustments in darkened room. Highly polished service mirror conveniently stores under bottom of case. Special power transformer with extremely low external field eliminates magnetic effects on color CRT. Rugged steel case measures 4½x9½x12". All parts, cables and detailed, step-by-step instructions. For 110-130 V, 60 Hz AC. Shpg. wt., 14 lbs.

22 B 3989 W. \$5 Monthly... 89.95

MODEL KG-685 SPECIFICATIONS

7 Displays: purity, tracking, dots, crosshatch, vertical lines, horizontal lines, and color bars. RF Output: 10,000 microvolts minimum, tunable to channels 3, 4, or 5. Composite Video Output: ±2 volts peak-to-peak. Composite Sync Output: -2 volts. Master Oscillator: 189 kHz, crystal controlled. Color Oscillator: 3.56 MHz, crystal controlled. Sound Subcarrier Oscillator: 4.5 MHz, crystal controlled. Front-Panel Controls and Jacks: Display Selector Switch; Sound Carrier On/Off Switch; Power On/Off Switch; Service Light On/Off Switch; Gun Interruption On/Off Switches (3—red, blue and green); Color Level Control (off through high, continuously variable); Video Level/Polarity (continuously variable level and choice of polarity); 6 Pin Jacks (3 signal output and 3 CRT grids). Rear Panel: Channel Tuning; Vertical Intensity (screwdriver adj.); Timing (5 screwdriver adj.); 6-circuit Test Jack. Cables: RF Output, 4-ft. long with alligator clips; Gun Interrupter, 4-ft. with lead-piercing, color-coded, alligator clips and ground lead; Service Light, 3-ft. with insulated mtg. clip, hi-intensity lamp and shade; Composite Video and Sync, 4-ft. with alligator clips and ground. Power Requirements: 110-130 V, 60 Hz AC. Fuse: Internal, ¼ amp quick blow. Power Consumption: approximately 10 watts.

Easier-Than-Ever, Accurate Convergence and Color Adjustments

knight-kit

TEST INSTRUMENTS



**KG-685 Portable Solid-State
Color Bar/Pattern Generator Kit**



With Leads, Mirror
and Service Light

\$89⁹⁵

\$5 monthly

- ✓ Single Control Quickly Selects Any One of Seven Crystal-Controlled Test Patterns
- ✓ 22 Transistors (19 Silicon Types Including Unijunction Counters) plus 8 Diodes
- ✓ Zener Diode and Transistor Power Supply for Highest Degree of Regulation
- ✓ Gun Interrupters Have Insulation-Piercing Clips for Fast, Safe Connection to Receiver

Read What The Experts Say . . .

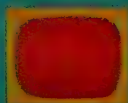
"Considering the number and nature of the output test signals and the conveniences for simplifying the service technician's adjustment procedure, the KG-685 . . . in kit form, ranks as a first choice in color bar generators."

RADIO-TV EXPERIMENTER

"Some extra features . . . are: gun-interruption switches . . . metal mirror . . . service light . . . Not only does the manual tell how to use the generator . . . it also contains a large useful section on the color tube and all the adjustments required."

ELECTRONICS WORLD

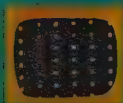
7 ACCURATE, STABLE PATTERNS



Purity
Adjustment

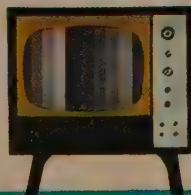


Ten Color
Bars

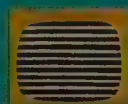


Small Dot
Pattern

Exclusive
6-Position
Gray
Scale



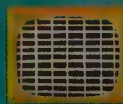
Provides
6 Levels of
Brightness
for Gun
Tracking



Horizontal
Lines



Vertical
Lines



Crosshatch
Pattern

Knight-Kits—First in Design, Research, Dependability

ALLIED 487

What You Should Know About Citizens Band Two-Way Radio

1. WHAT IS CITIZENS BAND RADIO?

Citizens Band radio is a communications system that allows persons in your office or home to talk and listen to other CB radio-equipped offices, vehicles or boats. Vehicles can also talk to each other. It's like a telephone party line, except you are using radio instead of wires. Two-way radio systems generally consist of a "base station," usually located at office or home, and one or more "mobiles," each mounted in a car, truck, or boat. A "portable" radio may be carried by a person independent of a vehicle, but is much like a "mobile" in function. Each "base station," "mobile," and "portable" is a self-contained transmitter and receiver, called a transceiver. Knight-Kit offers a complete selection of CB 2-way radios for "base," "mobile," or "portable" use.

2. IS A LICENSE NEEDED?

Before you go on the air, you must obtain a station license (except for 100-mW units like our Knight-Kit C-555 walkie-talkie on page 515) from the Federal Communications Commission. Radio frequencies are public property and are subject to FCC regulations. Your license authorizes you to have control over your equipment and its use as long as you operate according to the simple regulations. Any citizen of the United States, 18 years of age or older, may get a license to operate CB equipment for personal or business communications. No examination or technical knowledge is necessary, simply fill out the form supplied with your Knight-Kit CB unit and mail it to the FCC. Two-way CB radios operate on any of 23 CB channels, with a maximum legal RF input power of 5 watts. Knight-Kit CB transceivers have full 5-watt inputs, and offer a choice of up to 5, 12, or 23-channel operation.

3. WHAT MAY CB RADIO BE USED FOR?

CB radio may be used for many business and personal applications. You can keep in touch with vehicles from your home or office; dispatch trucks, cabs, etc. You can maintain communications between your auto and home, or your car and boat. In case of highway emergencies, you can call for help to the Highway Emergency Locating Plan (H. E. L. P.) on CB Channel 9, and receive prompt service and assistance. CB radio is useful on camping trips too—with portable units you can keep in touch with your base camp while you're away hunting or fishing. It's a great time-saver too—simply call your base station for needed information.

4. WHAT IS THE OPERATING RANGE OF CB TWO-WAY RADIO?

You may cover from 5 to 20 miles with a 5-watt CB two-way radio, depending on the terrain, geographical area, and antenna heights. Other factors affecting the operating range of CB equipment are receiving sensitivity, type of antenna used, and the noise level of any specific geographical area. Knight-Kit Safari Series CB Transceivers are designed for optimum performance under all conditions.

Two-Way Communications for Every Need

BASE



Base stations consist of a CB 2-way radio and a permanently mounted antenna at your home or office, operating from house current. The Safari I 2-way radio kit, which may be operated from house current or car battery is an ideal unit for this application. Our solid-state Safari Series (Safari II, III, and IV) when used in conjunction with their companion AC power supply also make excellent base station units. All Knight-Kit Safari Series 2-way radios are available in complete base station outfits at substantial savings from separate prices.

MOBILE



Mobile outfits consist of a CB 2-way radio, a mobile mounting bracket, and a mobile antenna. These units may be mounted in a car, boat, truck, or on a tractor. Knight-Kit's solid-state Safari Series CB 2-way radios (Safari II, III, or IV) are excellent for this application. They are compact, rugged, and take little space; and their solid-state circuits draw little current from your battery. They have minimum front panel controls—and are designed for fast, convenient mobile operation. The Safari I may also be used for mobile operation.

PORTABLE



Portable units consist of a CB 2-way radio, battery pack, carrying case, and a portable antenna. These units may be used while hunting, fishing, camping, or for construction and plant work. They may also be used indoors for a wide variety of applications. Our solid-state Safari Series (Safari II, III, or IV) are ideal for this application. They are compact, lightweight, and they use standard rechargeable flashlight batteries. When rechargeable batteries are used, the Safari base station AC power supply also serves as a battery charger.

Safari II CB Kit Outfits

EASY-TO-BUILD SOLID-STATE DESIGN



knight-kit

CB RADIO



 BASE	 MOBILE	 PORTABLE
Save \$5.90 \$99⁹⁵ \$5 monthly	Save \$5.35 \$81⁰⁰ \$5 monthly	Save \$6.10 \$106⁵⁰ \$6 monthly

Base Kit Outfit

Purchased Separately, \$105.85. Complete base station outfit offers dependable fixed location communications on up to 5 CB Channels. Includes: Knight-Kit Safari II 5-Channel CB 2-Way Radio Kit; Knight KN-2505 Ground-Plane Antenna; Assembled AC Power Supply for 110-130 VAC operation; 50 Feet RG-58/U Foam Coax Cable with PL-259 Connectors; Allied's "Understanding and Using CB Radio" Book; Crystals for Channel 9. Safari II features factory assembled and aligned transmitter circuit, rugged solid-state design. Shpg. wt., 18 lbs.

22 B 0154 L4W. \$5 Monthly... 99.95

Alternate Base Kit Outfit

Purchased Separately, \$109.85. You Save \$5.90. Includes everything listed above, but with Knight KN-2570 Ground-Plane Antenna in place of KN-2505. KN-2570 has top-hat design for low noise level, 5 dB circuit gain. With all connectors. Wt., 15 lbs.

22 B 0154 L4W. \$6 Monthly... 103.95

Mobile Kit Outfit

Purchased Separately, \$86.35. Easy-to-operate mobile station offers reliable two-way CB communications for car, boat, or truck. Includes: Knight-Kit Safari II 5-Channel CB 2-Way Radio Kit for 12 VDC Operation; Mobile Mounting Bracket with Slip-Out Design; Knight KN-2579 CB/AM/FM Antenna; Allied's "Understanding and Using CB Radio Book"; Crystals for Channel 9. Safari II has series has series gate noise limiter to overcome pulse-type interference, illuminated 5-channel rotary selector switch, volume and squelch controls. Wt., 8 lbs.

22 B 0155 L3W. \$5 Monthly... 81.00

Alternate Mobile Kit Outfit

Purchased Separately, \$89.35. You Save \$5.35. Includes items listed above, but with Knight KN-2506 102" Stainless Steel Whip Antenna in place of KN-2579. Antenna includes bumper mount, ball, spring, gutter clip, cable and plug. Shpg. wt., 14 lbs.

22 B 0144 L3W. \$5 Monthly... 84.00

Portable Kit Outfit

Purchased Separately, \$112.60. Excellent portable two-way radio outfit assures you of dependable communications that you can carry right with you practically anywhere. Ideal for camping, fishing, or hunting trips; keeps you in touch in case of emergencies. Rugged solid-state circuit offers top range and reliable performance.

Includes: Knight-Kit Safari II 5-Channel CB 2-Way Radio Kit; Assembled Battery Pack with Battery Condition Meter and 12-VDC Cable; Top-loaded 20" Stainless Steel Portable Antenna; Waterproof Canvas Carrying Bag; Allied's "Understanding and Using CB Radio" Book; 10 "D" Cells; Crystals for Channel 9.

Safari II features compact size, light weight, and simplified controls for easy, convenient use. Waterproof canvas carrying bag holds Safari II, antenna, battery pack. Durable stainless steel antenna. With all cables, parts, instructions. Wt., 11 lbs.

22 B 0517 L4W. \$6 Monthly... 106.50



NEW
knight-kit
CB RADIO

Safari® IV Citizens Band Two-Way Radio Kit

SOLID-STATE—12 CHANNELS—5 WATT



Deluxe 12-Channel CB Two-Way Radio Kit

\$79⁹⁵

\$5 monthly

- Factory Assembled and Aligned Transmitter Circuit
- Push-to-Talk Microphone, Separate Speaker
- Built-In Series Gate Noise Limiter Circuit
- Extra-Stable Circuit with All Silicon Transistors
- Minimum Front Panel Controls for Easy Operation

Outstanding new addition to the famed Knight-Kit Safari Series! The Safari IV offers deluxe two-way radio communications on up to 12 crystal-controlled transmit/receive channels. Features compact design for easy mounting in car, truck or boat; minimum front panel controls for easy operation; all silicon transistor solid-state circuit for unmatched stability and reliability; factory assembled and aligned transmitter circuit.

Sensitive superhet receiver has adjustable squelch to silence speaker between calls; built-in series gate noise limiter to overcome ignition and pulse-type interference. Transmitter has full legal 5-watt input; transmit indicator light; double-pi output circuit for 50-ohm antennas. Rugged push-to-talk controlled-reluctance dynamic mike provides excellent voice quality. Combination on/off volume control, illuminated selector switch.

Additional channel crystals simply plug into circuit. Compact, just 2½x6½x8½". With all parts, wire, solder, instructions; 80-239 connector, crystals for Channel 9. For 12 VDC negative ground. Shpg. wt., 4 lbs.

22 B 3843 W. \$5 Monthly.....79.95
22 B 3197 W. Mobile Mounting Bracket. Shpg. wt., 3 lbs.....3.95



SPECIFICATIONS

RECEIVER. Sensitivity: 1.5 μ V for 10 dB S/N ratio. IF Selectivity: 10 kHz at 6 dB down for 10 μ V input. Adjacent Channel Rejection: over 30 dB on 5 tuned circuits. Speaker: 3½-inch.

TRANSMITTER; Power Input: 5 watts. Output Impedance: match 50-ohm antennas. Modulation: $\geq$ 80% min. Power Output: 3 watts.

Switches and Controls. On/Off Volume; Adjustable Squelch Control; Illuminated Selector Switch; Transmit Indicator Light.

Semiconductor Complement: 13 silicon transistors and 9 diodes.

Accessories for Base and Mobile Use



Factory Assembled...
Quickly Converts Safari
Units to Base Station Use

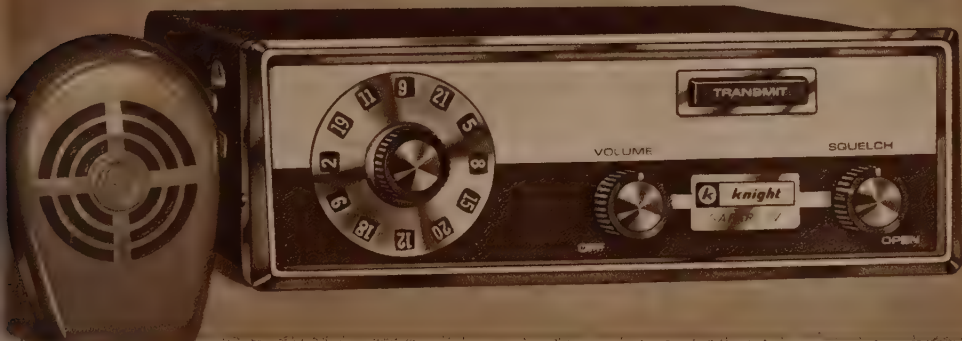
AC Power Supply and Charger. Fully assembled. Converts Safari units to operation from 110-130 VAC for base station use. Also serves as charger for portable battery pack (see outfit opposite page). 2½x5½x8". With all cables. Wt., 3½ lbs.
22 B 3180 W. \$5 Monthly.....19.95

Extra Crystals. Specify Channel. Shpg. wt., 3 oz.
22 B 3217 CW. Transmit..... Each
22 B 3218 CW. Receive..... Each
22 B 3210 W. Crystal Package. Contains 22 transmit and 22 receive crystals. Covers entire CB range. Safari includes Channel 9 crystals. 5 lbs.

See Page 493 for Safari IV Accessories for Portable Use.

Deluxe Safari® IV CB Two-Way Radio Kit Outfits

OFFERING SUPERB BASE, MOBILE, OR PORTABLE COMMUNICATIONS



Base Outfit



Mobile Outfit



Portable Outfit



Save \$7.90

\$111.95 \$6
monthly

Base Kit Outfit



Save \$5.85

\$93.50 \$5
monthly

Mobile Kit Outfit



Save \$7.65

\$114.95 \$6
monthly

Portable Kit Outfit

Purchased Separately, \$119.85. Complete base station outfit offers reliable two-way CB radio on up to 12 channels. Includes: Knight-Kit Safari IV 12-Channel Solid-State CB 2-Way Radio Kit; Assembled AC Power Supply for 110-130 VAC Operation; Knight KN-2570 Ground Plane Antenna; 50 Feet RG-58/U Foam Coax Cable; All Connectors; Allied's "Understanding and Using Citizens Band Radio" Book; Crystals for Channel 9. Safari IV has factory assembled and aligned transmitter. Rugged, dependable solid-state circuit. Shpg. wt., 15 lbs.

12 B 0281 L4W. \$6 Monthly... 111.95

Purchased Separately, \$99.35. Deluxe mobile outfit offers reliable two-way CB radio communications for car, truck, or boat. Includes: Knight-Kit Safari IV 12-Channel Citizens Band 2-Way Radio Kit for 12 VDC; Mobile Mounting Bracket with Slip-Out Design; Knight KN-2506 102" Stainless Steel Whip Antenna with Bumper Mount, Ball, Spring, Gutter Clip, Cable, and Plug; Allied's "Understanding and Using Citizens Band Radio" Book; Crystals for Channel 9. Safari IV features compact size, easy-to-operate controls, solid-state circuit. Wt., 14 lbs.

22 B 0283 L4W. \$5 Monthly... 93.50

Purchased Separately, \$122.60. Outstanding portable two-way radio outfit assures you of reliable communications that you can carry with you. Ideal for camping, fishing, or hunting trips; keeps you in touch in emergencies. Rugged solid-state silicon transistor circuit offers top range and reliable performance.

Includes: Knight-Kit Safari IV 12-Channel Citizens Band 2-Way Radio Kit; Assembled Battery Pack with Battery Condition Meter and 12-VDC Cable; Top-Loaded 20" Stainless Steel Antenna; Waterproof Canvas Carrying Bag; Allied's "Understanding and Using Citizens Band Radio" Book; 10 "D" Cells; Crystals for Channel 9.

Safari IV features compact size, light weight, simplified controls; ideal for outdoor use. Waterproof canvas carrying bag holds Safari IV, antenna, battery pack. Stainless steel antenna resists rust and corrosion. Cables, parts, instructions. Wt., 11 lbs.

22 B 0285 L4W. \$6 Monthly... 114.95

Alternate Base Kit Outfit

(Not Illustrated)

Purchased Separately, \$130.85. You save \$8.35. Includes everything listed above, but with Knight KN-2572 Maximum Gain Ground Plane Antenna in place of KN-2570. With PL-259 connectors. Shpg. wt., 18 lbs.

12 B 0282 L4W. \$7 Monthly... 122.50

Alternate Mobile Kit Outfit

(Not Illustrated)

Purchased Separately, \$94.35. You save \$5.60. Includes items listed above, but with Knight KN-2578 30" Whip Antenna in place of KN-2506. With 18-ft. of RG-58/U coax cable, 2 mounting wrenches. Wt., 8 lbs.

22 B 0284 L3W. \$5 Monthly... 88.75



knight-kit

CB RADIO

Versatile Safari® Series

BOAST RUGGED SOLID-STATE CIRCUITS



Deluxe Safari III 5-Watt 23-Channel Solid-State CB 2-Way Radio Kit

\$89.95

\$5 monthly

- Precision Factory Assembled and Aligned Transmitter Circuit
- All Silicon Transistors for Excellent Temperature Stability
- Built-in Series-Gate Noise Limiter Circuit Overcomes Interference

Outstanding Safari III CB 2-way radio kit offers deluxe two-way CB communications. Minimum front panel controls make it as easy to use as your car radio, and its 23-channel crystal-controlled transmit/receive capability provides maximum operating versatility. Features factory assembled and aligned transmitter to assure dependable performance; all *silicon* transistor solid-state circuits throughout for excellent stability; and generous heat sinking for long transistor life, fewer servicing problems. Its compact size and low battery drain make it ideal for mobile use.

Sensitive superhet receiver has "S" meter; adjustable squelch control to silence speaker between calls; fine-tuning control to pull in stations that are operating slightly off frequency. Built-in series-gate noise limiter circuit overcomes ignition and pulse-type interference. Transmitter has transmit indicator light; full legal 5-watt input power. Transmit and receive crystals are simply plugged into the circuit. Double pi-output circuit matches 50-ohm antenna. Also has combination on/off volume control; illuminated channel selector switch.

Rugged metal case, just $2\frac{1}{2} \times 6\frac{1}{2} \times 8\frac{1}{2}$ ". With SO-239 antenna connector, push-to-talk speaker/mike, crystals for Channel 9; all parts, wire, solder, instructions. For 12 VDC negative ground. Shpg. wt., 4 lbs.

22 B 3842 W. \$5 Monthly.....**89.95**
22 B 3197 W. Mobile Mounting Bracket. Shpg. wt., 3 lbs.....**3.95**



SPECIFICATIONS

RECEIVER. Sensitivity: 1.5 μ V for 10 dB S/N ratio. *IF* Selectivity: ± 4 kHz at 6 dB down for 10 μ V input. Adjacent Channel Rejection: over 30 dB on 5 tuned circuits.

TRANSMITTER. Power Input: 5 watts. Output Impedance: matches 50-ohm antennas. Modulation: $\pm 80\%$ minimum. Power Output: 3 watts.

Switches and Controls: On/Off Volume; Adjustable Squelch Control; Illuminated Selector Switch; Fine-Tuning Control; Transmit Indicator Light; "S" Meter.

Semiconductor Complement: 14 silicon transistors and 9 diodes.



Converts Safari II, III or IV to 110-130 VAC

Safari II, III or IV Accessories for Base and Mobile Use

AC Power Supply and Charger. Instantly converts Safari II, III or IV to 110-130 V, 60 Hz operation. Also serves as battery charger for portable pack (facing page). Has 3-position switch (Charge/Off/Operate); regulated DC output. $2\frac{3}{4} \times 5\frac{1}{2} \times 8$ ". With all cables. For 110-130 V, 60 Hz AC. Shpg. wt., $3\frac{1}{2}$ lbs.
22 B 3180 W. \$5 Monthly.....**19.95**

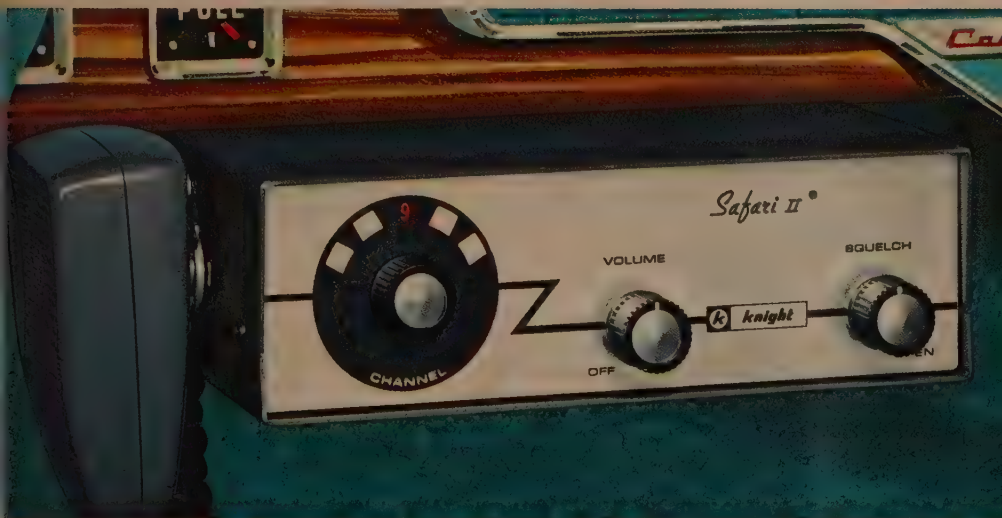
Extra Crystals for Safari II, III, IV. Specify Channel 1-23. Shpg. wt., 3 oz.

22 B 3217 CW. Transmit.....Each **2.50**
22 B 3218 CW. Receive.....Each **2.50**

22 B 3210 W. Crystal Package. 22 transmit and 22 receive crystals. (Units come with Channel 9 crystals.) Shpg. wt., 5 lbs...**69.95**

Solid-State Citizens Band 2-Way Radio Kits

WITH DEPENDABLE SILICON TRANSISTORS FOR OPERATING STABILITY



Safari II 5-Watt 5-Channel Solid-State CB 2-Way Radio Kit

\$69⁹⁵

\$5 monthly

- Precision Factory Assembled and Aligned Transmitter Circuit
- Minimum Front Panel Controls for Simple, Convenient Operation
- Rugged Solid-State Circuit Boasts 13 Silicon Transistors, 9 Diodes

Versatile CB 2-way radio kit offers outstanding two-way CB communications on up to 5 crystal-controlled transmit-receive channels. Features factory assembled and aligned transmitter circuit; simple 3-control operation; stable silicon transistor solid-state circuit. Compact design permits mounting in car, boat, or truck in a matter of minutes; and its lightweight but rugged construction makes it ideal for portable use (with accessory battery pack below). Use it with the optional AC power supply (facing page), for a fine 5-channel base station.

Sensitive superhet receiver circuit has adjustable squelch control for total silence between calls; built-in series-gate noise limiter circuit to overcome ignition or pulse-type interference. Transmitter has full legal 5-watt input power; double-pi output network to match 50-ohm antennas. Additional channel crystals simply plug into circuit. Has combination on-off volume control; 5-channel rotary-type illuminated selector switch. Solid-state circuit has 13 silicon transistors and 9 diodes to assure reliable operation and dependable performance.

Rugged metal case, only $2\frac{1}{2} \times 8\frac{1}{2} \times 8\frac{1}{2}$ ". With SO-239 antenna connector, push-to-talk speaker/mike, crystals for Channel 9, all parts, wire, solder, instructions. For 12 VDC negative ground. Shpg. wt., 4 lbs.

22 B 3840 W. \$5 Monthly. **69.95**
22 B 3197 W. Mobile Mounting Bracket. Shpg. wt., 3 lbs. **3.95**



SPECIFICATIONS

RECEIVER. Sensitivity: 1.5 μ V for 10 dB S/N ratio. IF Selectivity: ± 4 kHz at 6 dB down for 10 μ V input. Adjacent Channel Rejection: over 30 dB on 5 tuned circuits.

TRANSMITTER. Power Input: 5 watts. Output Impedance: 50-ohm antenna. Modulation: $\pm 80\%$ minimum. Power Output: 3 watts.

Switches and Controls: Combination On/Off Switch and Volume Control; Adjustable Squelch Control; Five-Channel Rotary Illuminated Selector Switch.

Semiconductor Complement: 13 silicon transistors and 9 diodes.

Safari II, III and IV Accessories for Portable Use

Accessory Battery Pack. Converts transceiver to portable station. 3-position slide switch Charge/Off/Operate; battery condition meter. Uses 9 "D" cells, rechargeable or non-rechargeable. With cables, carrying strap. Order batteries, accessory antenna at right. $\frac{1}{2} \times 7 \times 8\frac{1}{2}$ ". Shpg. wt., 2 lbs.
22 B 3196 W. \$5 Monthly. **24.95**

Accessory Antenna. For use with battery pack. Stainless steel, center loaded. 20" overall length. Has removable right-angle connector. Waterproof, fights corrosion. Use for portable or base station operation. Shpg. wt., 1 lb.
22 B 3109 W. **5.95**

22 B 3199 W. Canvas Carrying Bag. Holds Safari II, III or IV, and battery pack. Shpg. wt., 2 lbs. **9.95**

22 B 3119 W. "D" Cells. For pack. (Uses 9.) Wt., 5 oz. **Pkg. of 2/26¢**

22 B 3211 W. Rechargeable Alkaline Cells. (Uses 9.) 4 oz. **Each 1.50**

Purchase Your Knight-Kit CB Equipment with Allied's Credit Fund Plan

ALLIED 493



knight-kit

CB RADIO

Safari® I CB 2-Way Radio Mobile and Base Outfits

Mobile Outfit A

C.B. Channel 9

FM-AM



Save \$5.40

\$152⁹⁵ \$8 monthly



Mobile Outfit B

C.B. Channel 9

FM-AM



Save \$6.40

\$154⁹⁵ \$8 monthly



Base Outfit C



Save \$7.95

\$162⁹⁵ \$9 monthly



Base Outfit D



Save \$6.95

\$152⁹⁵ \$8 monthly

A. Mobile Outfit with CB/FM/AM Antenna

Purchased Separately, \$158.35. Everything needed for first-rate mobile performance. You get: Knight-Kit Safari I Universal (110-130 V, 60 Hz AC/12 VDC) 23-Channel Transceiver Kit; Gimbal Mounting Bracket; Knight-KN-2579 Telescoping CB/FM/AM Antenna with Tunable Resonator, 1-Hole Body Mount, Coupler, Cables; Allied's "Understanding and Using Citizens Band Radio" Book. Kit includes wire, solder, instructions. Wt., 25 lbs.

22 B 0515 L3ZW. \$8 Monthly. Shipped express... **152.95**

B. Mobile Outfit with 102" Whip Antenna

Purchased Separately, \$161.35. Deluxe 23-channel mobile communications for cars, trucks, boats. Includes: Knight-Kit Safari I Universal (110-130 V, 60 Hz AC/12 VDC) 23-Channel CB Transceiver Kit; Gimbal Mounting Bracket; Knight-KN-2506 102" Stainless Steel Whip Antenna with Bumper Mount, Ball, Spring, Gutter Clip, Cable and Plug; Allied's "Understanding and Using Citizens Band Radio" Book. Full instructions. Shpg. wt., 30 lbs.

22 B 0159 L3ZW. \$8 Monthly. Shipped express... **154.95**

C. Base Outfit with Deluxe Ground-Plane Antenna

Purchased Separately, \$170.90. Quality components provide the finest in 23-channel fixed location CB communications. Includes: Knight-Kit Safari I Universal (110-130 V, 60 Hz AC/12 VDC) 23-Channel CB Transceiver Kit; Knight-KN-2572 Maximum-Gain Ground Plane Antenna for Base Station Use with 19' Radiator, Top Hat, Center Skirt, Three 108" Radials, 50-Ft. of RG-58/U Foam Coax Cable; All Necessary Connectors; Allied's "Understanding and Using Citizens Band Radio" Book. Shpg. wt., 29 lbs.

22 B 0500 L3ZW. \$9 Monthly. Shipped express... **162.95**

D. Base Outfit with Ground-Plane Antenna

Purchased Separately, \$169.90. 23-channel base station outfit—offers outstanding range and rejection of unwanted signals. Includes: Knight-Kit Safari I Universal (110-130 V, 60 Hz AC/12 VDC) 23-Channel CB Transceiver Kit; Knight-KN-2570 Omnidirectional Ground Plane Antenna with 5 dB Circuit Gain; 50 Feet of RG-58/U Foam Coax Cable; All Necessary Connectors; Allied's "Understanding and Using Citizens Band Radio" Book. Safari I kit features preassembled and aligned frequency synthesizer. Wt., 40 lbs.

22 B 0516 L3ZW. \$8 Monthly. Shipped express... **152.95**

23-Chan. Dual-Conversion 5-Watt 2-Way Radio Kit

**Superb Fixed and Mobile
2-Way CB Communications**

Safari® I

\$139⁹⁵

\$7 monthly



With All Crystals—Nothing Else to Buy

- Selective Dual-Conversion Superhet Receiver with 0.5 μ V Sensitivity
- Solid-State Mobile Power Supply Eliminates Vibrator Interference
- PA/CB Switch Allows Direct Connection to External Speaker for Paging
- Tune-Control Rings in Stations Operating Up to 1 kHz Off-Frequency

- Low-Noise Nuvistor RF Stage for High Gain
- Frequency Synthesizer Covers 23 Channels
- 110-130 V, 60 Hz AC/12 VDC Cables Supplied
- Illuminated RF Output/Signal Strength Meter

Versatile CB transceiver kit offers full crystal-controlled transmit and receive on all 23 CB channels; universal operation from 110-130 V, 60 Hz AC or 12 VDC; plus performance and reliability usually found only in much more expensive units. Features: factory assembled and aligned frequency synthesizer, no extra crystals needed; full 5-watt input; selective dual-conversion superhet receiver. Simplified controls provide convenient fixed or mobile operation.

Receiver section boasts low-noise nuvistor RF stage for excellent 0.5 μ V sensitivity. Front-facing 4" PM speaker is tops in voice clarity. Adjustable squelch circuit for quiet operation; special tuning circuit to bring in stations operating up to 1 kHz off-frequency. Transmitter has full 5-watt input; 100% modulation capability; mike gain control with normal and overmodulation indicators. Also has illuminated RF/S meter; PA/CB switch; ANL switch; harmonic trap for minimum TVI. Adjustable pi-network matches 45 to 95-ohm antennas. Efficient relay-operated transmit/receive functions.

Solid-state mobile power supply eliminates vibrator "hash." All tubes and crystals are held in place by spring-type hold downs. Heavy-duty captive-type connectors. Rugged metal case, 5x13x10 $\frac{1}{2}$ ". Instructions. For 110-130 V, 60 Hz AC/12 VDC neg. ground.

22 B 3809 W. Shpg. wt., 19 lbs. \$7 Monthly..... **139.95**
22 B 3059 W. Gimb-al-Type Mounting Bracket. Wt., 2 $\frac{1}{2}$ lbs..... **5.95**

SPECIFICATIONS

RECEIVER CIRCUIT. Sensitivity: 0.5 μ V for 10 dB S/N ratio. Selectivity: 7 kHz at 6 dB down points. Dual Conversion IF Frequencies: 6 MHz and 455 kHz. Adjacent Channel Rejection: more than 40 dB. Range of Tune Control: ± 1 kHz. Image Rejection: better than 50 dB. Audio Output: better than 2.5 watts.

TRANSMITTER CIRCUIT. Power Input to Final: 5 watts. Modulation Capability: 100%. Hum and Noise: at least 42 dB down. Antenna Match: Pi-network. Impedance: adjustable, 45 to 95 ohms. Synthesizer Frequency Accuracy: better than .005% for all 23 CB channels. TVI Protection: adjustable harmonic trap.

GENERAL. Active Elements: 12 tubes, 3 diodes and 2 transistors for equivalent 19-tube performance. Power Requirements: 110-130 volts, 60 Hz AC at 60 watts; or 12.6 VDC, neg. ground only, at 4.6 amps. Front Panel Controls: Mike Gain; Tune; Volume; Power Off/On; Squelch; ANL Off/On; PA/CB; illuminated Channel Selector. Cables: AC and DC power cords (DC plug fits car's lighter socket).

Use Allied's Credit Fund Plan to Buy Knight-Kit Equipment

ALLIED 495



knight-kit
CB RADIO

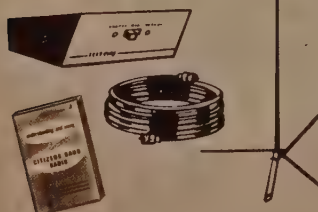
Save on Safari III Citizens Band Kit Outfits



**23 Crystal-Controlled Transmit and Receive Channels
Plus All Silicon Transistors for Utmost Stability**



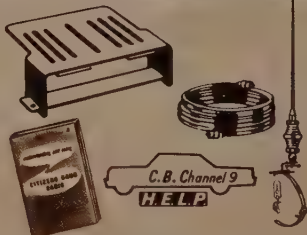
BASE



Save \$7.90 **\$121⁹⁵** \$7
monthly



MOBILE



Save \$5.85 **\$103⁵⁰** \$6
monthly



PORTABLE



Save \$7.65 **\$124⁹⁵** \$7
monthly

Purchased Separately, \$129.85. Offers all you need for reliable base station CB communications. Includes: Knight-Kit Safari III 23-Channel Solid-State Citizens Band Transceiver Kit; Assembled AC Power Supply for 110-130 VAC Operation; Knight KN-2570 Ground Plane Antenna; 50 Feet RG-58/U Foam Coax Cable, All Connectors; Allied's "Understanding and Using CB Radio" Book; Crystals for Channel 9. Safari III has factory assembled and aligned transmitter; fine-tuning control, illuminated selector switch. Wt., 15 lbs.
22 B 0145 L4W. \$7 Monthly... 121.95

Alternate Base Outfit

Purchased Separately, \$140.85. Save \$8.35. As above, but with Knight KN-2572 Maximum-Gain Ground Plane Antenna in place of KN-2570 antenna. Shpg. wt., 18 lbs.
22 B 0147 L4W. \$7 Monthly... 132.50

Purchased Separately, \$109.55. Deluxe "on-the-go" mobile radio outfit for cars, trucks and boats. Includes: Knight-Kit Safari III 23-Channel Solid-State Citizens Band Transceiver Kit for 12 VDC; Mobile Mounting Bracket with Slip-Out Design; Knight KN-2506 102" Stainless Steel Whip Antenna with Bumper Mount, Ball, Spring, Gutter Clip, Cable, and Plug; Allied's "Understanding and Using CB Radio" Book; Crystals for Channel 9. Compact size and easy-to-operate controls. Easy-to-build solid-state circuit. Shpg. wt., 14 lbs.
22 B 0146 L4W. \$6 Monthly... 103.50

Alternate Mobile Outfit

Purchased Separately, \$104.35. Save \$5.60. As above, but with Knight KN-2578 30" Whip Antenna in place of KN-2506. Includes 18-Ft. RG-58/U Cable, 2 mtg. wrenches. Wt., 8 lbs.
22 B 0157 L3W. \$5 Monthly... 98.75

Purchased Separately, \$132.60. This complete portable CB outfit assures you of reliable two-way CB communications. An ideal choice for camping, fishing, or hunting trips; keeps you in touch in case of emergency.

Includes: Knight-Kit Safari III 23-Channel Citizens Band Transceiver Kit; Assembled Battery Pack with Battery-Condition Meter and 12 VDC Cable; Top-Loaded 20" Stainless Steel Antenna; Waterproof Canvas Carrying Bag; Allied's "Understanding and Using CB Radio" Book; 10 "D" cells; Crystals for Channel 9.

The compact size and light weight of the Safari III make it ideal for portable and outdoor use. Silicon transistor circuit provides stable, reliable operation over a wide temperature range. Carrying bag holds Safari III, antenna and battery pack. Wt., 11 lbs.
22 B 0518 L4W. \$7 Monthly... 124.95

Boost Your CB Range with These Accessory Kits



"Ten-2" Solid-State Portable Citizens Band Tester Kit

\$34⁹⁵

\$5 monthly

- Helps You Get Greater Range and Efficiency for CB
- Built-in 5-Watt Dummy Load for "Off-the-Air" Tests

- Low-Drain Two-Transistor Amplifier/Oscillator Circuit
- Monitor Lets You Listen to Your Own Transceiver Signals

Boost your CB operating range and overall transceiver performance with this portable "Ten-2" 10-function CB tester kit. Measures relative SWR, RF output power, percentage of positive or negative modulation, field strength and relative crystal activity. Can be used as signal monitor, audio or RF generator, code oscillator. Easy-to-read 2" meter has four scales. Front panel sockets accept standard or miniature transmitting crystal. Also has: Motorola-type sockets for CB antenna, transceiver inputs; 40" telescoping antenna; headphone, oscilloscope, RF generator outputs. Charcoal gray case, brushed aluminum panel. 5 $\frac{3}{8}$ "x7 $\frac{5}{8}$ "x4 $\frac{1}{4}$ ". With all parts, solder, instructions; two PL-259-to-Motorola connectors, battery.

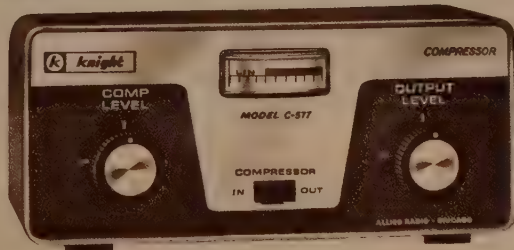
22 B 3823 W. Shpg. wt., 6 lbs. \$5 Monthly.....34.95

Model C-577 Audio Compressor/Preamplifier Kit

\$19⁹⁵ \$5
monthly

Now—increase the radiated power and efficiency of your CB outfit without exceeding legal limits! This fully transistorized compressor/preamp (not a clipper) gives higher average modulation output for greater peak power, plus far greater range and voice clarity. Serves as low level preamp for both low and high impedance mikes. Has separate, adjustable compression and output level controls. Edge-reading meter shows relative compression. Front panel on-off switch bypasses compressor without disconnecting. Connects between mike and transceiver, switches in and out of circuit as needed. Assembles easily on rugged printed circuit board. 2 $\frac{7}{8}$ "x6 $\frac{3}{4}$ "x3". All parts, wire, solder, instructions. Order battery below. Wt., 3 lbs.

22 B 3816 W. \$5 Monthly.....19.95
22 B 3005 W. 9-Volt Battery. (Uses 1.) 6 oz....3 for 79¢



- Deluxe Edge-Reading Meter Shows Relative Compression
- True Compressor Design—Completely Free of Harmonics
- 3 No-Drift Silicon Transistors for Temperature Stability
- Boosts Lower Levels of Signals for 100% Modulation
- Limits Higher Levels of Signals to Prevent Overmodulation

Howard W. Sams "CB Radio Servicing Guide." By Leo G. Sands. Covers design and operation of transmitters, receivers, and power supplies. Includes tuning, testing and troubleshooting procedures. Has 160 pages. Size, 5 $\frac{1}{8}$ "x8 $\frac{1}{2}$ ". Shpg. wt., 7 oz.

22 B 3116 EW.....3.25



Allied's Own "Understanding and Using Citizens Band Radio" Book. A "must" for newcomers to CB, as well as oldtimers. Clearly written guide to making the best use of your CB equipment. Covers basic theory, operation, etc. 112 pages. Size, 5 $\frac{1}{4}$ "x8 $\frac{1}{4}$ ". 22 B 3015 EPW. Postpaid in U. S. A.....50¢



Buy Your Knight-Kit CB Equipment with Allied's Credit Fund Plan

ALLIED 497



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VHF RECEIVERS



FROM POPULAR SCIENCE ON EASE OF BUILDING RECEIVER KIT

"... one of the easiest-to-build receiver kits I've tackled ... the set's critical 'front end' tuner stage comes pre-wired and aligned."

FROM ELEMENTARY ELECTRONICS ON RECEIVER KIT'S VALUE FOR THE MONEY

"Perhaps the best buy we've seen yet in a VHF-FM receiver ... Building the kit is about a one-evening project—even for the beginner."

Hear Exciting Communications from All These Services with VHF-FM Receivers



Taxis



Fire



Civil Defense



Railroads



Police



Weather

Your Dollar Buys More with Knight-Kits

Sensitive VHF-FM Monitor Receiver Kits

Put You Where the Action Is, Day or Night

**KG-221A for
152-174 MHz**

\$49⁹⁵

\$5 monthly

**KG-220 for
30-50 MHz**

\$44⁹⁵

\$5 monthly

KG-221A 152-174 MHz VHF-FM Receiver Kit with RF Stage for Greater Sensitivity

Pulls in exciting emergency and other communications in your area. Permits you to monitor police and fire calls; hear messages on civil defense; listen to forestry and conservation service, taxis, railroads, highway trucks, public utilities and direct U.S. Weather Bureau forecasts. You'll enjoy being "in" on the latest happenings with this easy-to-build receiver. Features RF stage for 152-174 MHz frequency reception. Entire front-end is factory-preassembled and aligned. See box, below right, for listing of communications on VHF FM bands that you can tune with the KG-221A.

Deluxe circuit features transistorized, all-electronic squelch with front-panel control that silences receiver between calls, and two IF amplification stages with ratio detector for top-notch selectivity. Velvet-smooth vernier tuning offers effortless station selection. One-watt output circuit and built-in 3x5" PM speaker for room filling sound. Front-panel switch selects speaker or headphone reception. Optional headphones listed below.

Pilot light; volume control; screw terminals for antenna connection. Power transformer for highest operating efficiency and line isolation. Has 5 tubes and 1 transistor for equivalent 8-tube performance. Silicon diode rectifier in power supply. Blue metal case, 5 $\frac{7}{8}$ x11 $\frac{1}{4}$ x5 $\frac{1}{8}$ ". Charcoal gray and silver panel. With all parts and easy-to-follow, step-by-step instructions with clear diagrams. For 110-130 volts, 60 Hz AC. Shpg. wt., 10 lbs. Order antenna from accessory listing below.

22 B 3452 W. \$5 Monthly.....49.95

KG-220 30-50 MHz VHF FM Receiver Kit

Similar to KG-221A above, but for coverage of 30 to 50 MHz, and without RF stage. Monitors the same type of services if in your area with certain exceptions—see box, above right, for a listing of broadcasts tunable with the KG-220. Shpg. wt., 10 lbs.

22 B 3311 W. \$5 Monthly.....44.95

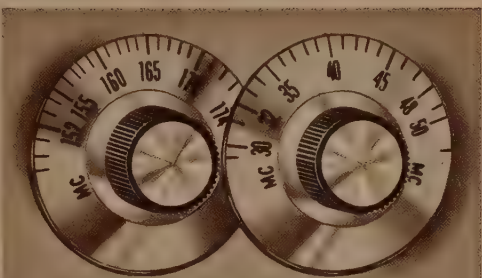
KG-220/KG-221A Receiver Accessories

22 B 3187 W. Hy-Gain SGP-2 144 to 174 MHz ¼-Wave Ground Plane Antenna. For best reception with Model KG-221A receiver. Height, 14". With mtg. clamp for masts up to 1 $\frac{5}{8}$ " dia. Order lead-in cable, below. Wt., 2 lbs.5.40

22 B 3188 W. Hy-Gain GP-50 30 to 50 MHz ¼-Wave Ground Plane Antenna. For best reception with Model KG-220 receiver. Height, 14". With mtg. clamp for masts up to 1 $\frac{5}{8}$ " dia. Less lead-in cable, below. Wt., 6 lbs.12.95

22 B 3257 W. Dual Headphones with Phone Plug. For both receivers. Shpg. wt., 1 lb.2.75

22 B 3265 W. 50 Feet of RG-8/U Coaxial Cable. For lead-in to receivers from antenna. Wt., 2 lbs.7.67



Important Information About Frequency Allocations

Frequency allocations listed below may differ slightly in your area. Be sure to check with authorities in your locale to determine the specific frequencies used by the various services that operate in your own community.

KG-221A Coverage

Tunes the 152 to 174 MHz FM band for: police calls, fire alarms, civil defense directives, and other emergency services. Also tunes U.S. Weather Bureau forecasts, communications between railroad cars and control stations, taxis, forestry and conservation services, power utilities (both gas and electric), highway trucks, and private mobile telephones.

KG-220 Coverage

Tunes the 30 to 50 MHz FM band for: police calls, fire alarms, civil defense directives, and other action-type emergency services. Also tunes industrial highway maintenance crews and control points, power utilities (gas and electric), forestry and conservation services, radio paging service, and private mobile telephone communications.

KG-221A AND KG-220 SPECIFICATIONS

FM Tuning Range: KG-221A, 152 to 174 MHz; KG-220, 30 to 50 MHz.

Bandwidth: 100 kHz at 6 dB down.

Sensitivity: KG-221A, 6 μ V $\pm$ 5 kHz deviation.

KG-220, 10 μ V at $\pm$ 5 kHz deviation.

Audio Output: 1 watt to built-in speaker or external speaker/headphones.

Built-In Speaker: 3x5" oval, PM type.

Squelch: transistorized and variable, front-panel control

Squelch Sensitivity: opens for signals as small as 5 microvolts.

IF Frequency: 10.7 megahertz.

Number of IF Amplification Stages: 2.

Active Elements: 5 vacuum tubes and 1 transistor for equivalent 8-tube performance; silicon diode rectifier in power supply.

Antenna Impedance: 50 to 75 ohms.

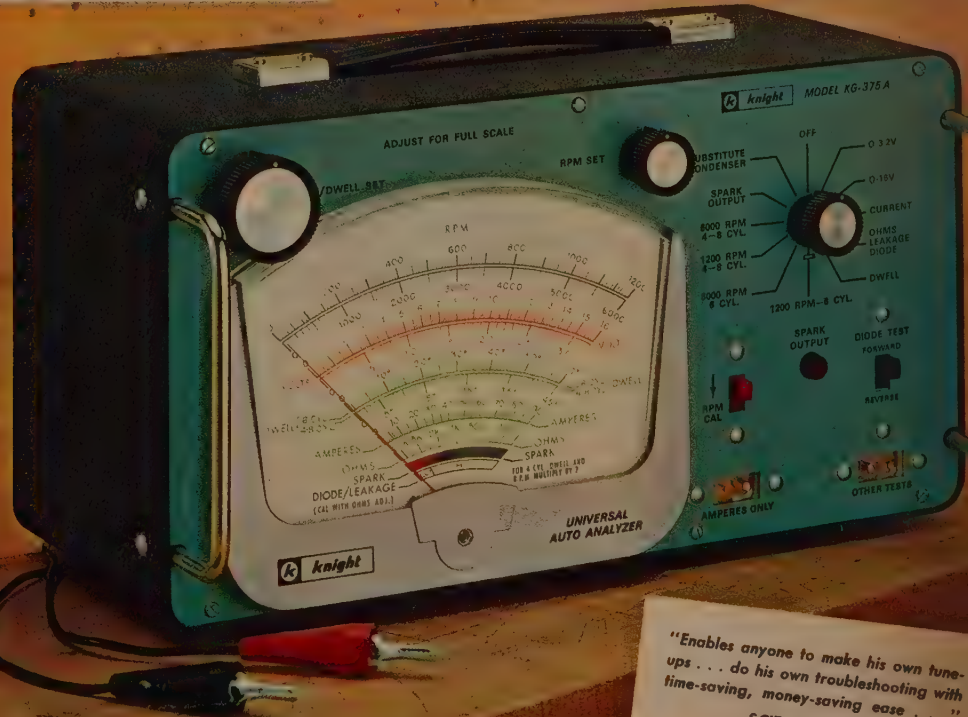
Power Consumption: 30 watts nominal.



knight-kit
AUTOMOTIVE

Solid-State Auto Analyzer Kit

TUNE UP AND TROUBLESHOOT ANY CAR



"Enables anyone to make his own tune-ups . . . do his own troubleshooting with time-saving, money-saving ease . . ."
SCIENCE AND MECHANICS



Save Money by Doing It Yourself

Glenn's Auto Repair Manual

Covers all U.S. cars 1957-1967 (1968 edition sent when available). Step-by-step instructions for every repair and adjustment. Expanded troubleshooting section. 3000 illus. 1392 pp. Hard cover. 5 lbs.
22 B 3161 EW 9.95

KG-375A Auto Analyzer Kit

\$49⁹⁵

\$5 monthly

NOW WITH THESE NEW FEATURES

- Silicon Solid-State Tachometer Circuit
- Includes Comprehensive Tune-Up Chart
- Low-Current Circuit—Less Battery Drain
- Soft Rubber Feet for Tight Fender Grip
- Has Oversized Storage Compartment
- Printed Circuit Board for Simplified Assembly

This easy-to-build solid-state auto analyzer kit can save you up to hundreds of dollars. Use it to do your own tune-ups and make many of your own auto repairs and adjustments. Accurately checks voltage and current regulators, generators, alternator diodes. Detects distributor wear, variation in dwell angle, and condition of points. Determines coil resistance; locates poor or open electrical ground circuits. Single function-switch for operating ease.

Meter has sensitive D'Arsonval movement. Scales on 7" meter for 0-1200-6000 engine rpm, 0-3.2-16 volts, 0-90 amps, 0-20,000 ohms, 0-45°-60°-90° dwell angle, spark output, leakage. Roll-bars carrying handles on cabinet. 6 1/2 x 12 x 5 1/2". With tune-up chart, tune-up and troubleshooting manual, all parts, solder, test leads, 4 "C" batteries 90-amp shunt and step-by-step assembly instructions. For 6 or 12-volt systems, negative or positive ground.

22 B 3323 W. Shpg. wt., 11 lbs. \$5 Monthly 49.95

Save on *knight-kit* Automotive Outfits

Basic Automotive Kit Outfit

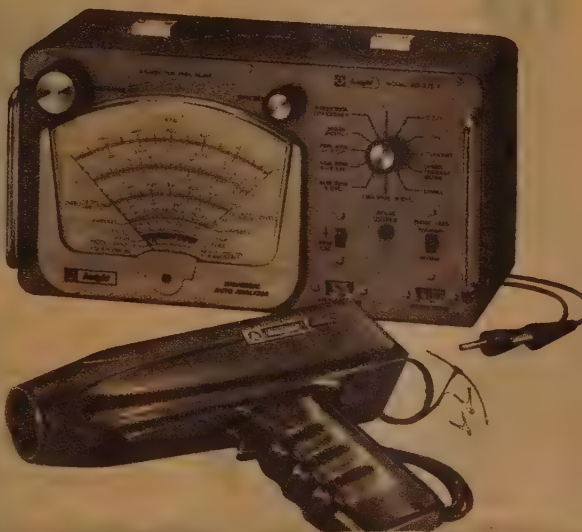
Save **\$64⁹⁰** Separately,
\$5.00 \$5 monthly **\$69.90**

Save \$5.00 on this combination of all-in-one auto analyzer and timing light kits. You get KG-375A Solid-State Auto Analyzer Kit and KG-371 Solid-State DC-Power Timing Light Kit. Auto analyzer makes dozens of checks. Invaluable for tune-ups and can even perform road tests. Scales read engine rpm, volts, amps, resistance, dwell angle, spark output and leakage. See facing page for a complete description of the Auto Analyzer.

Timing light checks ignition timing so that you can be sure of getting maximum power and fuel economy. Built-in solid-state power supply for extra-bright high-intensity light that can be used in daylight. Use it to check ignition timing, synchronization of double breaker arms, automatic spark advance, distributor cam wear. See page 502 for complete description.

Both kits for 6 or 12-VDC systems, negative or positive ground. With all parts, test leads, Analyzer batteries, step-by-step instructions.

*2 B 0660 L2W. Shpg. wt., 13 lbs. \$5 Monthly 64.90



Auto Analyzer is battery-powered for actual road testing. Glenn's Manual for 1957-1967 U.S. cars. 3000 illus.



Auto Analyzer Kit and Glenn's Repair Manual

Save **\$54⁹⁰**
\$5.00 \$5 monthly

Separately \$59.90. Includes Knight-Kit KG-375A Solid-State Auto Analyzer Kit; and Glenn's Auto Repair Manual. Analyzer checks distributor points, finds poor or open ground-circuits and performs many other tests (full description on facing page). Helps you keep any car running at its best.

Glenn's Auto Repair Manual covers all U.S. cars, 1957-1967 (1968 edition sent when available). Every repair and adjustment is broken down into numbered steps—each step clearly illustrated. Shpg. wt., 16 lbs.

*2 B 0657 L2W. \$5 Monthly... 54.90

Auto Analyzer, Timing Light and Glenn's Repair Manual

Save **\$73⁸⁵**
\$6.00 \$5 monthly

Separately \$79.85. Save \$6.00 on this combination offer. Ideal for part-time mechanics and hobbyists for tune-ups and repairs. Includes Knight-Kit KG-375A Solid-State Auto Analyzer Kit; KG-371 Solid-State DC-Power Timing Light Kit; and Glenn's Big Auto Repair Manual.

Auto analyzer tests all electrical accessories, helps you check lights, horn, fuses, more. Timing light is visible even in daylight. Glenn's manual covers all U.S. cars; over 3000 illustrations. Wt., 18 lbs.

*2 B 0658 L3W. \$5 Monthly... 73.85

Deluxe 6-Piece Outfit Featuring Analyzer and Timing Light Kits

Save **\$79⁶⁷**
\$8.00 \$5 monthly

Separately, \$87.67. Our finest automotive kit outfit. Includes Knight-Kit KG-375A Auto Analyzer Kit; KG-371 Timing Light Kit; Glenn's Auto Manual; Compression Tester; Vacuum and Fuel Pump Tester; and Remote Starter.

Compression tester locates trouble in valves, pistons, rings, cylinder head gasket. Reads 0-300 lbs. Vacuum and fuel pump tester checks idle adjustment, leaky valves, gas line leakage. Reads up to 30" vacuum, 7 lbs. pressure. Remote starter for one-man under-hood testing. 22 lbs.

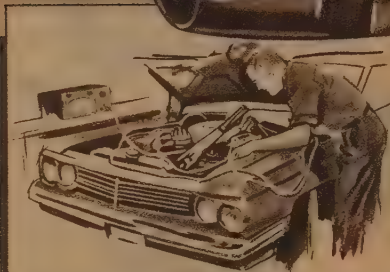
*2 B 0659 L6W. \$5 Monthly... 79.67

Use Allied's Credit Fund Plan to Get the Knight-Kit You Want

ALLIED 501



knight-kit
AUTOMOTIVE KITS



Saves You Money

Lets you accurately check or set ignition timing. Correct ignition timing helps get maximum power, plus best gasoline mileage

KG-371 Deluxe Solid-State Timing Light Kit

**COMPARABLE TO ASSEMBLED
LIGHTS COSTING MUCH MORE**

\$19⁹⁵

\$5 monthly

- Built-In Power Supply for 600-Volt Flashtube
- Brighter Flash than Units Operated from Ignition Coil
- For 6 or 12 Volts, Negative or Positive Ground
- Clear and Comprehensive Operating Directions

- Helps Set Ignition Timing
- Checks Synchronization of Double Breaker Arms
- Checks for Sticking Automatic Spark-Advance Mechanism
- Checks Distributor Cam Wear
- Built-In DC Power Supply
- Reliable Solid-State Circuit
- Pistol Grip with Trigger Switch
- High-Impact Housing
- Up to 1250 Flashes per Minute (2500 rpm with 4-Cycle Engines)
- Fun to Assemble

High-intensity timing light "stops" timing marks on your engine's flywheel or crankshaft vibration dampener. Lets you accurately check timing by lining marks up with pointer. Helps you get maximum power and fuel economy by making sure plugs are firing at proper intervals in compression cycle. Checks ignition timing, synchronization of double breaker arms, automatic spark advance, and distributor cam wear.

Built-in solid-state power supply and high-intensity flashtube generate brilliant flashes, sharply focused by a light-concentrating lens. Delivers brighter flash than those obtained from timing lights operated directly from ignition coil. Delivers up to 1250 flashes per minute (2500 rpm with 4-cycle engine). High-impact housing, pistol grip with trigger switch.

High-voltage cable attaches by insulated adapter clip between spark plug and its wire; DC cables to car battery. For 6- or 12-volt systems, pos. or neg. ground. 6 $\frac{1}{8}$ x3 $\frac{3}{4}$ x2". With solder, 5 $\frac{1}{2}$ -ft. cables, insulated copper hippo clips, spark plug adapter, step-by-step assembly instructions and operating directions. Shpg. wt., 2 lbs.

22 B 3312 W. \$5 Monthly.....19.95



knight-kit Solid-State Electronic Tachometer Kit

\$24⁹⁵

\$5 monthly

Illuminated "Tach" electronically registers engine speed from 0-8000 rpm for maximum fuel economy, torque or horsepower. For cars, trucks, boats—operates with 1-8 cylinder, 2-cycle, or 1-16 cylinder, 4-cycle engines having standard 9-32 VDC ignition systems. Also usable with most transistorized negative ground systems. "Red-Line" reference pointer may be preset to any rpm. For 6 VDC and magneto systems, order adapter kit below. Neg. gnd. only. 4 $\frac{1}{8}$ x3 $\frac{1}{4}$ x3 $\frac{3}{8}$ ". With univ. mtg. bkt., strap, instructions. Shpg. wt., 3 lbs.

22 B 3944 W. \$5 Monthly.....24.95

22 B 3909 W. 6-Volt/Magneto Adapter Kit. Wt., 4 oz.....98¢

Power Inverter/Charger Kits . . Solid-State Circuits

NEW
knight-kit
INVERTERS



A Few of the Many Items These
Inverters Will Operate . . .

Test
Equipment

Soldering
Iron

Radio

Television

Transceivers

Power
Tools

Lights

Shaver

Hand
Drill



operate AC Appliances in Car, Boat, or
Trailer . . For Campers, Sportsmen, Repair-
men, Field Engineers, Hobbyists, Farmers, Almost
Everybody . . Also Charges 12-Volt Batteries

Model KG-666. This heavy-duty inverter/charger kit lets you op-
erate hundreds of AC electrical appliances in your car, boat,
camper or trailer unit. Converts 12 VDC to 110-130 VAC; has
special DC output for universal motor loads; provides self-regu-
lating Hi-Lo 6-amp tapering charge to 12-V batteries, with re-
tractable circuit breaker. Has square-wave output, 55-65 Hz at
200 watts continuous power rating.

Special DC output supplies full starting-torque for the operation
of universal motor loads (power tools, etc.). Solid-state circuit
uses 4 reliable germanium power transistors. Generous extrud-
ed-aluminum heat sink area for full dissipation of 200-watt out-
put. Polarity protection is achieved by easily identified color-
coded battery terminals. Two or more units may be stacked to
provide added power in DC mode.

Features: silicon-diode starting network; capacitive and diode desparking
network; 2-position output load optimizing switch; pilot light; fuse.
Careful chassis layout and neat point-to-point wiring simplify
assembly. Handsome extruded aluminum case, 4 3/4 x 8 x 8 3/4". With
parts, solder, instructions. Shpg. wt., 9 lbs.

B 3906 W. \$5 Monthly. 44.95

B 3903 W. KG-662 125-Watt Inverter/Charger Kit. As above, but
provides 125 watts continuous power; 4 amps taper charge for bat-
tery. Uses 2 power transistors. Shpg. wt., 7 lbs. 34.95

200-Watt
KG-666 Kit

\$44⁹⁵

\$5 monthly

125-Watt
KG-662 Kit

\$34⁹⁵

\$5 monthly

Buy Your Knight-Kit Equipment with Allied's Credit Fund Plan

ALLIED 503

Photoelectronic Relay Kit

LIGHT-CONTROLLED SWITCHING DEVICE



\$16⁹⁵ So Sensitive It Responds to Just a Glimmer of Light

- Excellent for Warning Alarm or Light Control Uses
- Includes Highly Sensitive Cadmium-Selenide Photocell
- Offers Selectable Trip or Automatic Operation
- Provides As Many As 600 Counts Per Minute

This dependable, light-controlled electronic relay has practically unlimited uses. Turns lights on and off; opens doors; counts; acts as a warning alarm. Activated by auto headlights, flashlight, daylight, or optional Light Source Kit, below. Gives selectable operation: "Trip" provides continuous ringing of alarm once light beam is broken; "Auto" operates relay each time beam is broken. Provides up to 600 counts per minute. Supplies 6.3 volts AC at 0.6 amp for counter or chime below. Sensitive cadmium-selenide photocell and thyatron circuit. Size, 4x3x5". With wire, solder, easy-to-follow instructions. For 110-130 volts, 60 Hz AC. See outfit below. Shpg. wt., 3 lbs.

22 B 3702 W	16.95
Light-Source Kit. Sealed beam bulb operates relay from up to 250' or more. Red filter. 6x6x4 1/2". 110-130 volt 60 Hz AC.	
22 B 3703 W. Shpg. wt., 5 lbs.	9.95
22 B 3007 W. Chime. For announcing, etc. Wt., 2 lbs.	5.95
22 B 3025 W. Counter. 5-digit, non-resetting. 6 oz.	3.20
Mallory "Sonalert" Audible Warning Device.	
22 B 3361 W. Shpg. wt. 1lb.	8.75

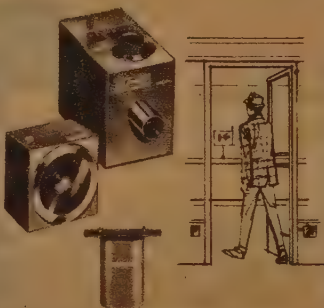


"Intruder" Alarm Outfit

\$34⁹⁵ \$5
monthly

Economical alarm device protects against prowlers; helps keep home, shop or office safe. Consists of Knight-Kit Photoelectronic Relay Kit, Light-Source Kit with Red Filter, and Mallory Sonalert Audible Warning Device. Provides 2.5-kHz warning signal. Shpg. wt., 9 lbs.

22 B 0529 L3W. \$5 Monthly. . . 34.95



Announcing System Outfit

\$32⁵⁰ \$5
monthly

Ideal for stores, shops, etc. Consists of Knight-Kit Photoelectronic Relay Kit, Light-Source Kit, and Chimes. When light beam is broken, relay activates ringing chimes to announce customer, visitor, etc. Chimes have pleasant, "non-jarring" sound. Shpg. wt., 10 lbs.

22 B 0530 L3W. \$5 Monthly. . . 32.50



Counting System Outfit

\$29⁹⁵ \$5
monthly

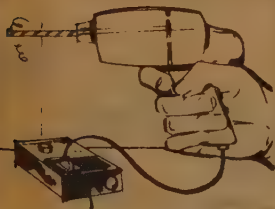
For production lines or any application where accurate counting is required. Consists of Knight-Kit Photoelectronic Relay Kit, Light-Source Kit, 5-Digit Non-Resetting Counter. When light beam is broken, counter registers, indicating number of units passing beam. Shpg. wt., 9 lbs.

22 B 0531 L3W. \$5 Monthly. . . 29.95

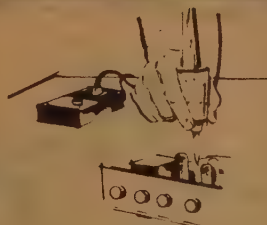
Control Motor-Speeds and Lights.. Electronically



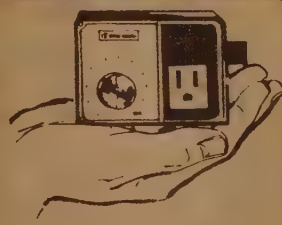
Reduces Speed of Rotary Sander or Buffer for Better Control Over Fine Finishing



Helps You Drill Through Steel, Drill Plastic Without Gumming, Stir Paint, and Also Drive Screws



Limits Soldering Iron Heat to Protect Semiconductors and Other Delicate Circuit Components



Compact, Fits Anywhere. Convenient Single Control. Complete with 6-ft. 3-Wire Power Cord

KG-201 Solid-State Motor Speed/Light Control Kit

\$9⁹⁵

- Controls Speeds of Portable Power Tools with Up to 7½-Amp Universal AC-DC Motors
- Varies Brightness of Incandescent Lamps
- Controls Appliances with Heating Elements
- Assembles Easily in Just a Few Hours
- Fully Protected by Thermal Circuit Breaker

Get the right power tool speed for the job, every time, with the KG-201. Outperforms many controls costing far more. Ideal for sewing machines, blenders, lathes, great for portable drills, saws, sanders, grinders, other tools with universal AC-DC motors. Reduces speed for working on hard materials or in tight corners. Virtually no loss of torque, even at slowest speeds. Also usable with soldering iron (not with transformer-type guns) to limit heat for protection of delicate components. Controls brightness of incandescent lamps and photographic floodlights, too. Also for heating pads, coffee makers, toasters. Dependable solid-state circuit uses silicon-controlled rectifier and two diodes. Calibrated

control adjusts output. In full "on" position, appliance runs at normal speed. For any universal-wound AC-DC motor-driven device with nameplate rating of 7.5 amps or less. For resistive loads to 900 watts, incandescent lamps to 500 watts. Handles 10-amp surges. (Not for AC-only motors, but works with most DC-only motors.) Protected by thermal circuit breaker. Output receptacle and 6-ft. power cord are 3-wire grounded types. Rectifier is pre-mounted on heat sink. 2½x4x1½". With all parts, solder, detailed instructions. For 110-130 V, 50-60 Hz AC. Shpg. wt., 2 lbs.

22 B 3335 W.....9.95

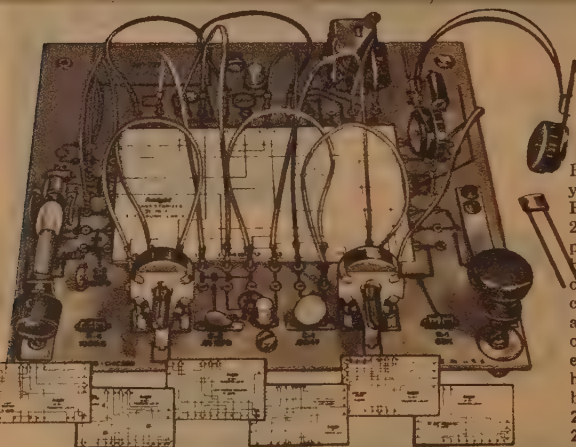


knight-kit

ELECTRONIC LABS

Educational Lab Kits

PERFORM EXCITING ELECTRONIC PROJECTS



Deluxe 21-in-1 Electronic Lab Kit

\$19⁹⁵

**\$5
monthly**

Includes Headphones
and Photocell

- Build 21 Space-Age Transistor Circuits
- Easy-to-Read Guide Cards for Each Project

Excellent low-cost electronics lab kit includes all you need to build 21 space-age transistor circuits. Build a solar-powered radio, wireless broadcaster, 2-stage AM radio, burglar alarm—many more—all practical, useful, devices. Durable printed circuit board. Plug in components and solder them only once. Pin-type leads plug into numbered jacks to complete circuits. Change circuits by simply rearranging leads. Guide cards show exact placement of leads. Detailed instruction manual fully explains each circuit. Includes all parts, two transistors, dual headphones, leads, guide cards, photocell. Order battery below. Shpg. wt., 2 lbs.

22 B 3624 W. \$5 Monthly.....19.95
22 B 3213 W. Battery. Shpg. wt., 4 oz.....87¢

Build Exciting, Useful Projects As You Learn Electronics the Fun Way

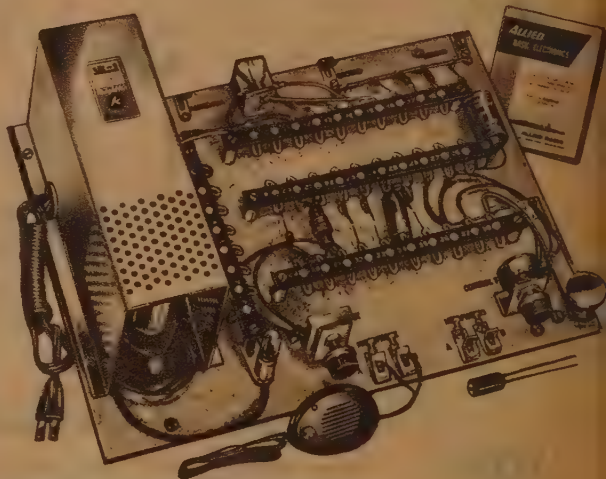
12-in-1 Electronic Lab Kit

\$16⁹⁵

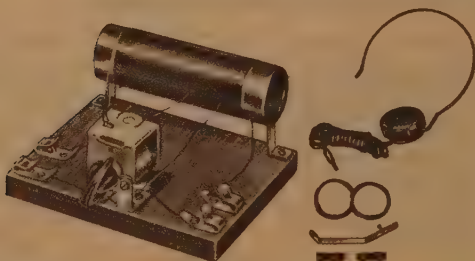
Includes Mike, Photocell,
FREE Book Bonus

Fun-filled way to learn the basics of electronics while amazing your friends and family with 12 fascinating projects! Broadcast through radios, control electrical devices, make "music" by waving your hand. Here are some of the devices you can build: magic music oscillator; electronic flasher; capacity-operated relay; code practice oscillator. Each project demonstrates important electronic principles—and your FREE "Basic Electronics" book is a helpful study guide. Parts mount on sturdy 8x11" board; simply resolder leads to change circuits. Fully detailed instruction manual explains each circuit. With transformer power supply, mounting board, mike, detailed instructions, bonus book. For 110-130 VAC. Shpg. wt., 4 lbs.

22 B 3207 W. With Free Book.....16.95
22 B 3028 W. Single Headphone. 8 oz.....1.30
22 B 3027 W. Dual Headphones. 12 oz.....2.50



Classic Crystal Set Package—Most Popular Beginner's Kit



\$4⁹⁵

Includes Fixed Crystal,
Antenna and Headphone

Thousands have started in electronics by building this famous kit. Picks up local AM radio stations without batteries or AC power. Pre-set germanium crystal. Ball-bearing tuning capacitor. With antenna kit, headphone, instructions.

22 B 0024 W. Shpg. wt., 3½ lbs.....4.95

"How to Build Electronic Kits" Book. Useful beginner's guide.
22 B 3125 EPW. Postpaid in U.S.A.....50¢

KG-375A Assembled Auto Analyzer and Outfits

KG-375A Solid-State Auto Analyzer

With Leads, 90-Amp Shunt, Batteries **\$69.95** \$5 monthly

Deluxe assembled auto analyzer saves you time and money by helping you make your own tuneups and adjustments. Has wide variety of uses: checks voltage and current regulators, generators, alternator diodes. Detects distributor wear, variation in dwell angle, condition of point surfaces. Determines coil resistance; locates poor or open electrical ground circuits. Large, easy-to-read 7" meter has sensitive D'Arsonval movement; scales for volts, amps, ohms, engine rpm, dwell angle, spark output, leakage. Single function switch has calibrate and adjust controls for convenient operation. Unit is completely portable and self-contained; even performs actual road tests. Rugged metal case, 6½x5½x12½". For 6 or 12-volt systems; 4, 6, or 8-cylinder engines. With tune-up manual, test leads, batteries, 90-amp shunt. See outfits below. Wt., 11 lbs.

22 B 3517 W. Assembled. \$6 Monthly. .69.95

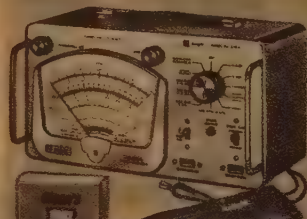
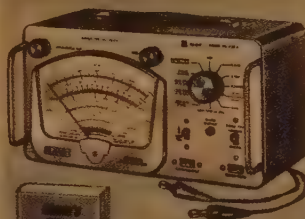


Deluxe Features of the KG-375A

- Checks Distributor, Generator, Regulator
- For 6 and 12-V Systems, 4, 6, and 8-Cylinder Engines
- With Comprehensive Tune-Up and Troubleshooting Manual
- Completely Portable—Even Performs Actual Road Tests



Famous Glenn's
Repair Manual
Covers U. S. Cars
from 1957 to 1967



Auto Analyzer, Glenn's 1967 Auto Repair Manual

Save **\$74.90** \$5
\$5.00 monthly

Purchased Separately, \$79.90. Basic auto repair outfit—an invaluable aid for keeping your car in top shape at all times. Helps you save money by doing many of your auto repairs and adjustments by yourself. Includes: Fully Assembled KG-375A Auto Analyzer; Glenn's 1967 Auto Repair Manual. Manual covers all U. S. cars from 1957 to 1967 (1968 edition sent when available). Has illustrated step-by-step repair instructions; complete troubleshooting procedures. KG-375A auto analyzer comes complete with test leads, battery, 90-amp shunt. Shpg. wt., 16 lbs.

22 B 0536 L2W. \$5 Monthly. .74.90

KG-375A Auto Analyzer, KG-371 Timing Light, Manual

Save **\$84.90** \$5
\$14.95 monthly

Purchased Separately, \$99.85. Ideal outfit for mechanics, auto buffs, hobbyists. Includes: Fully Assembled KG-375A Auto Analyzer; Knight-Kit KG-371 Solid-State DC Power Timing Light Kit; Glenn's 1967 Auto Repair Manual. Timing light helps you get top power and fuel economy. Checks compression, spark advance, distributor cam wear. Has bright 1600-volt flashtube; timing marks can be seen even in daylight. 5½" power cables for easy, convenient underhood work. Glenn's Auto Repair Manual has step-by-step repair instructions for all U.S. cars from 1957 to 1967. Shpg. wt., 18 lbs.

22 B 0537 L3W. \$6 Monthly. .84.90

Deluxe 6-Piece Auto Repair and Maintenance Outfit

Save **\$89.90** \$5
\$17.77 monthly

Purchased Separately, \$107.67. Our finest automotive maintenance and repair outfit. Includes: Assembled KG-375A Auto Analyzer; Knight-Kit KG-371 Auto Timing Light Kit; Glenn's 1967 Auto Repair Manual; Vacuum and Fuel Pump Tester; Compression Tester; and Remote Starter. Compression tester checks valves, pistons, rings, cylinder head gaskets. Has 2½" dial calibrated 0-300 lbs. Vacuum and fuel pump tester checks idle adjustment, leakage. 2½" dial indicates to 30" vacuum, 7 lbs. pressure. Remote starter allows convenient one-man underhood testing. Shpg. wt., 22 lbs.

22 B 0538 L6W. \$6 Monthly. .89.90

Learn About Electronics

Detailed 156-page manual shows how to wire experiments; covers basic electronic principles and tells how to read schematic diagrams. You need only a screwdriver to operate—no soldering required to change circuits



Includes . .
Dual Headset
Photocell
Speaker
Meter
Antenna
Transistors

**Completely Safe
for Home Use**

Look at the Projects You Can Build

ELECTRONIC CAT
METRONOME
CODE FLASHER
TRANSISTOR RADIO
SIGNAL INJECTOR
MORSE CODE BUZZER
MIKE PREAMPLIFIER
ELECTRONIC SWITCH
AUDIO AMPLIFIER
LIGHT RECEIVER
TIMER
BATTERY TESTER
DIODE CHECKER
CRYSTAL SET
CW MONITOR
OHMMETER
BOAT HORN

HYBRID RADIO
HYBRID VOICE RELAY
AIR POWERED RADIO
POLARITY CHECKER
TUBE CHECKER
DC VOLTMETER
AC VOLTMETER
"S" TYPE METER
TRANSISTOR CHECKER
ELECTRONIC SCALE
ELECTRONIC TIMER
SIGNAL GENERATOR
HYBRID LIGHT METER
DC MILLIAMMETER
AC MILLIAMMETER
DC MICROAMMETER
ELECTRONIC TALKER

\$29⁹⁵

\$5 monthly

Electronic Science Lab—Makes Learning Fun for the Whole Family

Create exciting up-to-the-minute projects that are both instructive and entertaining. Build a crystal set radio, code buzzer, amplifier, voltmeter using tubes, transistors, solar cell, relay. The Electronic Science Lab Kit is the perfect instructor for young students, hobbyists and aspiring technicians. The only tool you'll need to assemble the many projects is a screwdriver.

No soldering is required. Assembly and disassembly takes just minutes. Once the main parts are mounted on the Master Control Panel, you simply reposition a few wires and parts to change circuits. Spring-type connectors hold wire and small components firmly in place. Kit includes solar-type photocell, meter, tube and transistors, power transformer, dual headset, antenna, speaker and easy-to-follow instructions for each project.

Informative 156-page instruction manual. Lab kit, 8x14½x8". For 110-130 V, 60 Hz AC. Shpg. wt., 8 lbs.

22 B 3997 W. \$5 Monthly **29.95**

Plus More Than 66 Others!

It's Fun to Learn Code with a Knight-Kit!

GET STARTED IN AMATEUR RADIO

Anyone who passes FCC examinations on Morse Code and basic electronics can participate in Amateur Radio—a thrilling, worldwide hobby. Allied's staff of experienced Radio Amateurs has selected the top-value code-practice and theory packages to help you prepare for the exams. It takes a little study and practice, but soon you're ready for fun and excitement—communicating with other Hams around the world.



Kit Includes
Code Practice Oscillator,
Hand Key, Battery

LC-1 Code Practice Oscillator Kit

\$7⁹⁵

- Learn by Watching Flasher or Listening to Speaker
- For Both Group or Individual Code Practice
- Completely Portable—Practice Wherever You Go
- Battery-Powered Two-Transistor Circuit

Take the first step toward earning your Amateur Radio license with this portable code practice kit. Makes learning the International Morse code as easy as possible. It's the ideal kit for aspiring Amateurs, scouts, students, hobbyists. The adjustable hand key gives you the "feel" of on-the-air operation at the very beginning.

You learn fast as you listen to the clear tone through the built-in speaker, or watch the built-in flasher. If you prefer operating privately, simply plug headset into the front-panel jack. (Order optional headset below.) Assembling this kit is a breeze thanks to Knight-Kit's well-illustrated, step-by-step instructions. In just a few hours, you'll be ready for practicing.

Uses single 1½-volt "C" flashlight battery for power. Black bakelite case, aluminum panel, charcoal gray trim. 2x6¼x3¾". With all parts, recut wire, solder, key and battery. Shpg. wt., 2 lbs.
2 B 3432 W.....7.95
Full Headset. Complete with attached phone plug.
2 B 3257 W. Shpg. wt., 1 lb.....2.75

Knight-Kit LC-1 Code Practice Packages



Record Makes
Code Easy to
Learn

\$11⁹⁵



LC-1 and Code Course Record

Knight-Kit LC-1 Code Practice Oscillator Kit, battery and key plus Allied's 10-lesson code course, complete on one 12" 33½-rpm record. Starts slow, goes to 15 words per min. 20-pg. manual.
22 B 0326 L2W. Wt., 3 lbs.. 11.95



With Record
and Four
A.R.R.L. Books

\$13⁹⁵



LC-1, Code Course, 4 Books

Knight-Kit LC-1 Kit, battery, Key, 10-lesson course on 12" record, four A.R.R.L. books: *How to Become A Radio Amateur*; *Learning the Radio-Telegraph Code*; *Radio Amateur License Manual*; *Operating An Amateur Radio Station*. Instruction manual.
22 B 0327 L3W. Wt., 4 lbs.. 13.95



knight-kit

HOBBY KITS

Find Out How Much Fun Kit-Building Can Be

**A Recommended First Kit . . Discover the Fun
of Kit-Building with This AM Table Radio . . And
Learn Basic Electronic Principles at the Same Time**



"Ranger III" AM Superhet AC-DC Table Radio Kit with Tool Kit

With
Tool
Kit

\$22³⁴

\$5 monthly

- Sensitive Superhet Circuit for Good Reception
- AVC Circuit Minimizes Fading and Blasting
- Step-by-Step Fully-Illustrated Instructions
- Includes Five-Piece Kit-BUILDER'S Tool Kit

Imagine the thrill of hearing music, news and sports, on a superhet AM radio you have built yourself. The Ranger III is a perfect "first" kit. Easy step-by-step instructions and special circuit design make assembly a snap. Ebony cabinet with white trim is acoustically designed to produce full tone from an Alnico V speaker. AVC prevents blasting. Built-in loop antenna. Full one-watt audio output. Four miniature tubes: 12BA6, 12BE6, 12AV6, 50C5; plus 35W4 rectifier. With pre-cut wire, solder, instructions, *plus* deluxe 5-pc. tool kit consisting of Ungar 27-Watt Soldering Iron, 5" Diagonal Cutters, 6½" Long-Nose Pliers, 3½x3½" and 4x3½" Screwdrivers. Radio, 5⅜x8⅝x4⅝". For 110-120 V, 50-60 Hz AC, or DC.

22 B 0528 L2W. Ranger III Kit with Tool Kit. Shpg. wt., 7 lbs. **22.34**
22 B 3736 W. Ranger III Kit Alone. Shpg. wt., 5 lbs. **17.95**

Span Master® Kit for 'Round-the-World Reception

Be A Shortwave "Armchair Adventurer"... Shortwave/Broadcast Band Kit Puts the World at Your Fingertips



Span Master 4-Band Shortwave/AM Receiver Kit

\$29⁹⁵

\$5 monthly

- Covers 540 kHz Through 30 MHz in Four Bands
- Transformer-Powered for Maximum Efficiency
- Regenerative Circuit for Strong Signal Reception
- Built-In Speaker plus Headphone Terminals

Now is the time to get started in the fascinating hobby of shortwave listening. With Span Master, you tune news from world capitals, messages from ships and aircraft, Citizens Band, Hams, plus standard AM band. Covers 540 kHz to 30 MHz in four bands. Tuning coils have antenna windings for maximum sensitivity. Band-switch selects band—no coils to change. Four-inch speaker; speaker cutout switch for headphones. With list of foreign stations and Morse Code. 6¹/₄x14x6³/₄". Gray-blue wood cabinet. Includes all parts, cabinet, wire, solder and step-by-step instructions. For 110-120 volts, 60 Hz AC.

22 B 3258 W. Shpg. wt., 9 lbs. \$5 Monthly.....29.95
 22 B 3099 W. Outdoor/Indoor Antenna Kit. Shpg. wt., 1 lb.....1.39
 22 B 3027 W. Dual Headphones with Tip Plugs. Shpg. wt., 12 oz.....2.50

Bandspread Separates Stations



Fine Regeneration for Peak Tuning



Built-in 4" Full-Tone Speaker



Knight-Kit Exposure Meter Acclaimed by Experts

In a qualitative report, Dr. Michael Herscher, Assistant Professor of Optics at the University of Rochester, in Rochester, New York, stated:

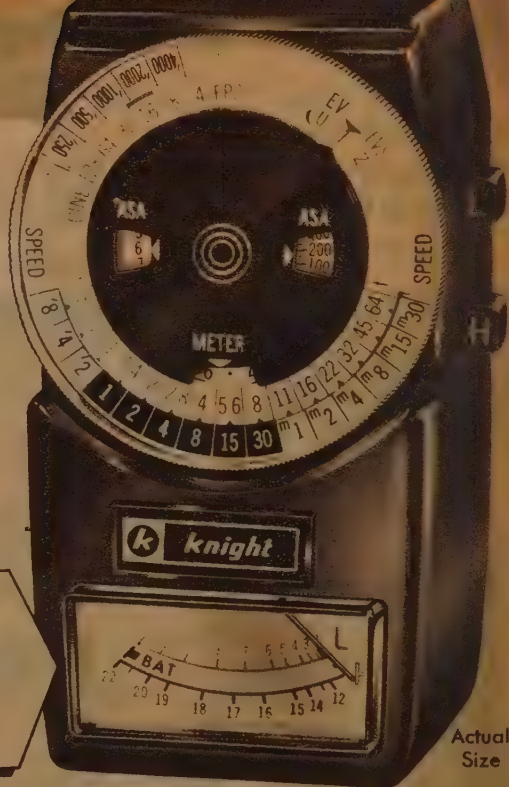
"The Knight-Kit Exposure Meter is an ultrasensitive light meter which is especially easy to read and operate."

- Precision Honeywell Taut-Band Meter
- Comparable to Expensive Wired Meters
- Pushbuttons Select High and Low Range
- So Sensitive It Reads Moonlight
- Measures Reflected and Incident Light
- Easy to Build in a Single Evening

\$19⁹⁵

\$5 monthly

NOW!
WITH PRECISION
HONEYWELL
TAUT-BAND
METER



Actual
Size

KG-275A Super-Sensitive Exposure Meter Kit

Amazingly sensitive and accurate CdS (Cadmium sulfide) light meter takes the guesswork out of picture-taking. Boasts precision Honeywell Taut-Band meter that withstands hard use, yet continues to give ultra-accurate readings time after time. So sensitive you get accurate readings even from moonlight. Use indoors or out, for color or black-and-white, stills or movies. Reads reflected light or incident light. Color-coded scales. Pushbuttons for high and low ranges. Built-in battery tester. Size, $4\frac{1}{2} \times 2\frac{1}{2} \times 1\frac{3}{8}$ ". With mercury batteries, neck cord, instructions.

22 B 3301 W. Shpg. wt., 14 oz. \$5 Monthly. 19.95
22 B 3186 W. Deluxe Leather Carrying Case. Shpg. wt., 6 oz. 4.95
22 B 3069 W. Soft Leather Carrying Case. Shpg. wt., 4 oz. 2.95
18 B 5317. Extra Batteries. Uses 2. Shpg. wt., 1 oz. Each 50¢

SPECIFICATIONS

Sensitivity: Low Range, 0.014 to 28 foot-candles; High Range, 28 to 28,000 foot-candles. **ASA Film Speed Settings:** 6 to 12,000 (1° to 12°). **f/Stop Settings:** 0.5 to 64. **Shutter Settings:** 1/4000 second to 30 minutes. **Cine Settings:** 4 to 128 frames per second. **EV Settings:** -8 to +22. **Optical Acceptance Angle:** 30° . **Color Response:** Peaked at 5000 Angstroms. **Photocell Type:** Cadmium Sulfide. **Overall Size:** $4\frac{1}{2} \times 2\frac{1}{2} \times 1\frac{3}{8}$ ".

Tools Specially Selected for Knight-Kit Building



\$2⁵⁶

Ungar Soldering Iron

27-watt iron with "taper tip" designed for the delicate work in printed circuit assemblies. $7\frac{1}{2}$ " long. U.L. Listed. 110-120 V, AC or DC.

22 B 3068 W. Wt., 6 oz. 2.56
22 B 3067 W. Extra 7506 Soldering Tip. Shpg. wt., 2 oz. 1.24



\$6³⁹

Knight-Kit 5-Piece Tool Kit

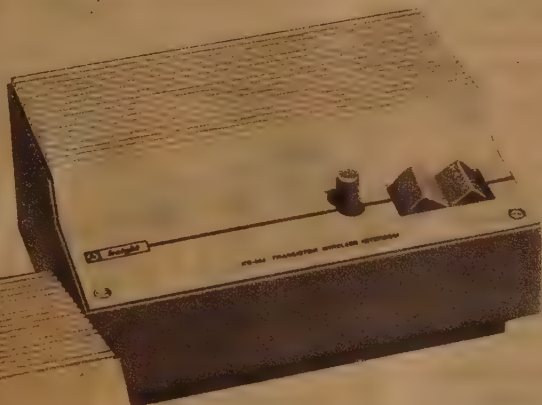
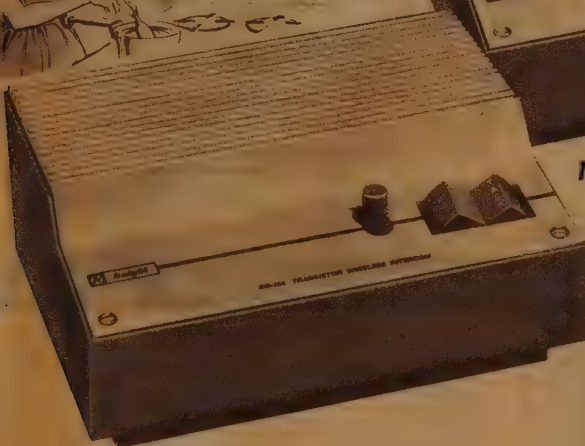
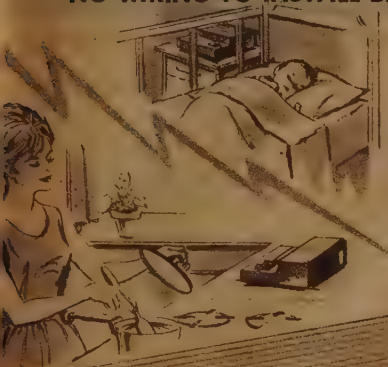
Special Low Price for This Tool Set That You Can Use Over and Over

Everything you need for easy assembly of your Knight-Kits. Includes: Ungar 27-watt soldering iron, specially designed for the delicate work in printed circuit assembly; 5" diagonal cutters and $6\frac{1}{2}$ " long-nose pliers; 2 screwdrivers, $3\frac{1}{2} \times \frac{1}{8}$ " and $4 \times \frac{1}{8}$ ". Pliers are drop forged from high-grade tool steel and have cushioned grips. Screwdrivers have rustproof nickel-plate finish and unbreakable insulated handles.

22 B 3070 W. Shpg. wt., $1\frac{1}{2}$ lbs. 6.39

Solid-State Wireless Intercom System Kit

NO WIRING TO INSTALL BETWEEN STATIONS—JUST PLUG-IN AND TALK



**NO WIRING
NEEDED**



Wireless Two-Channel System With Two KG-225 Master Station Kits

2 Stations

\$37⁹⁰

\$5 monthly

- No Wiring—Just Plug Into AC Outlets
- Both Are Masters—Both Originate Calls
- Squelch Circuit Eliminates Interference
- Add More Stations as They Are Needed
- Even Talk From Adjacent Buildings

Enjoy the convenience of being able to move your intercom stations from place to place, without special wiring between the units. Just plug each station of your system into any AC wall outlet. It's great for home, office or shop. You can communicate between house and garage or between adjacent homes and buildings, as long as they are on the same AC power-line transformer.

In addition, the KG-225 offers you highly-developed solid-state circuits for clear sound without noise; compact, streamlined styling. Dual frequency (136 and 215 kHz) switch lets you operate two separate, independent systems (4 or more units) simultaneously. Special volume control won't let volume drop below an audible level—prevents missed calls.

Looking position on press-to-talk switch for continuous transmissions. Sea foam green and cream case, $3\frac{1}{4} \times 8\frac{1}{4} \times 5\frac{3}{4}$ ". With all parts, instructions. For 110-130 V, 60 Hz AC.

22 B 0015 L2W. Shpg. wt., 8 lbs. \$5 Monthly **37.90**
22 B 3309 W. Extra Station. Shpg. wt., 4 lbs. Each 19.95

Complete Money-Saving Wireless Intercom Systems



3-Station Intercom System Kit

Save **\$56⁸⁵**

\$3.00

\$5
monthly

Separately, \$59.85. Perfect for larger homes, offices, shops. All stations are Masters—all can originate calls. Plug into AC outlets.

22 B 0016 L3W. Shpg. wt., 12 lbs. . . 56.85



4-Station Intercom System Kit

Save **\$75⁸⁰**

\$4.00

\$5
monthly

Separately, \$79.80. For complete coverage in homes, shops, plants where wireless operation is a must. Dual frequency for simultaneous but independent operation of two 2-station systems.

22 B 0017 L4W. Wt., 16 lbs. \$5 Mo. 75.80

Enjoy the Convenience of Intercoms Now—Use Allied's Credit Fund Plan

ALLIED 513

See Visual Proof of knight-kit® Superiority!

**ORDER A MANUAL ...
SEE FOR YOURSELF
HOW EASY IT IS TO
BUILD A KNIGHT-KIT**

Knight-Kit Manuals Give You ...

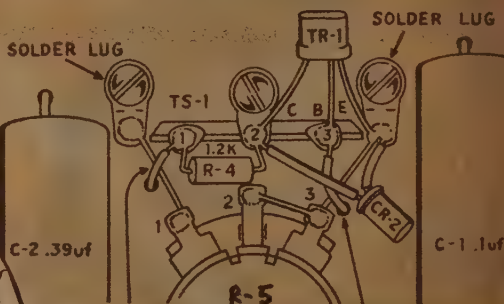
- Building Hints
- Large Detailed Diagrams
- Do-and-Check Method
- Operating Instructions
- Trouble Shooting Chart
- Large Schematics
- Special Detail Views
- Complete Parts List



It's Just Like
Having An Expert
Instructor Right
at Your Side

**SEE COMPLETE
LISTINGS OF
MANUALS BELOW**

Diagrams and Exploded Views Show Every Part



**"Do and Check" Method
Assures Accurate Assembly**

1" length of bare wire. Solder one end to terminal 1 of R-5. Solder the other end to the solder lug shown.

R-4, 1.2K resistor (brown, red, red). Connect one lead to terminal 1 of TS-1. Connect the other lead to terminal 2 of TS-1.

ORDER THE KNIGHT-KIT MANUAL OF YOUR CHOICE

HI-FI KIT MANUALS

Stock No.	Description	Kit on Pg.	E.A.
22 B 4099 EW	KM-15 12-Watt Hi-Fi Amplifier	439	.50
22 B 4002 EW	KG-50 Stereo Tuner	433	.75
22 B 4104 EW	KG-865 50-Watt Trans. Stereo Amp.	428	1.00
22 B 4139 EW	KG-765A Trans. FM-AM Tuner	430-431	1.00
22 B 4015 EW	KG-854 54-Watt Trans. Stereo Amp.	440	1.00
22 B 4101 EW	KG-795 Trans. FM Tuner	429	1.00
22 B 4029 EW	KG-240 20-Watt Stereo Amplifier	438	.50
22 B 4082 EW	KG-980 Trans. Stereo FM Rec.	422-423	1.50
22 B 4055 EW	KG-250 24-Watt Stereo Amplifier	432	.50
22 B 4088 EW	KG-895 120-Watt Trans. Stereo Amp.	436-437	1.50
22 B 4089 EW	KG-964 Trans. Stereo FM-AM Rec.	434-435	1.50
22 B 4090 EW	KG-415 Trans. Stereo Tape Deck	426-427	2.00
22 B 4092 EW	KG-790 Trans. Stereo FM-AM Tuner	436-437	1.50
22 B 4057 EW	KG-870 70-Watt Trans. Stereo Amp.	430-431	1.00

ELECTRONIC LAB KIT MANUALS

22 B 4097 EW	12-in-1 Electronic Lab	506	.50
22 B 4035 EW	21-in-1 Electronic Lab	506	.50
22 B 4047 EW	100-in-1 Electronic Lab	508	1.50

AUTOMOTIVE KIT MANUALS

22 B 4145 EW	KG-375A Auto Analyzer	500-501	1.00
22 B 4038 EW	Transistorized Tachometer	502	.50
22 B 4091 EW	KG-371 DC Power Timing Light	502	.50

HOBBY KIT MANUALS

22 B 4098 EW	Ranger III Table Radio	510	.50
22 B 4103 EW	Crystal Set	506	.25
22 B 4132 EW	Photoelectric Relay	504	.50
22 B 4112 EW	KG-275A Exposure Meter	512	.50
22 B 4087 EW	KG-201 Motor Speed/Light Control	505	.50
22 B 4020 EW	KG-225 Transistor Wireless Intercom	513	.50

SHORTWAVE RECEIVER KIT MANUALS

22 B 4125 EW	4-Band Span Master	511	.50
22 B 4031 EW	5-Band Star Roamer	Cov. 3	.50

NEW FREQUENCY UNIT TERMS

With this catalog, Allied has adopted the Electronics Industry's newly accepted terms for Units of Frequency

OLD	NEW
cps (cycles per second)	Hz (Hertz)
kc (kilocycles)	kHz (kilohertz)
mc (megacycles)	MHz (megahertz)

CITIZENS BAND KIT MANUALS

22 B 4073 EW	C-555 Walkie-Talkie	515	.50
22 B 4074 EW	Ten-2 Citizens Band Checker	497	.75
22 B 4084 EW	"Safari I" 23-Channel Transceiver	494-495	1.50
22 B 4085 EW	C-577 Audio Compressor	497	.50
22 B 4137 EW	"Safari III" 5-Channel Transceiver	493	1.50
22 B 4138 EW	"Safari III" 23-Channel Transceiver	492	1.50
22 B 4146 EW	"Safari IV" 12-Channel Transceiver	490-491	1.50

HAM, COMMUNICATIONS KIT MANUALS

22 B 4123 EW	100-KC Crystal Calibrator	461	.50
22 B 4127 EW	G-30 Grid Dip Meter	461	.50
22 B 4011 EW	T-60 60-Watt Transmitter	456	.75
22 B 4033 EW	P-2 SWR/Power Meter	460	.50
22 B 4052 EW	R-100A Receiver	458	1.00
22 B 4056 EW	LC-1 Code Practice Oscillator	509	.50
22 B 4058 EW	R-55A Receiver	457	.75
22 B 4107 EW	KG-220 and KG-221A FM Monitors	498-499	1.00
22 B 4093 EW	TR-106 6 Meter Transceiver	453	1.50
22 B 4094 EW	V-107 VFO	453	.50
22 B 4095 EW	TR-108 2 Meter Transceiver	453	1.50
22 B 4117 EW	T-175 10/6 Meter Linear Amp.	452	1.50
22 B 4126 EW	KG-662 125-Watt Inverter	503	1.00
22 B 4120 EW	KG-666 200-Watt Inverter	503	1.00

TEST EQUIPMENT KIT MANUALS

22 B 4116 EW	KG-661 0-25 V. Power Supply	477	1.00
22 B 4129 EW	Pocket VOM	481	.50
22 B 4109 EW	KG-2100 DC to 5 MHz Oscilloscope	482-483	2.00
22 B 4115 EW	KG-663 0-40 V. Power Supply	479	1.50
22 B 4060 EW	KG-600B Tube Tester	466-467	1.00
22 B 4051 EW	KG-660 0-15 V. Power Supply	480	1.00
22 B 4062 EW	KG-620 VTVM	465	.75
22 B 4063 EW	KG-625 Deluxe 6" VTVM	463	1.00
22 B 4064 EW	KG-645 1000 Ohms/Volt VOM	465	.50
22 B 4114 EW	KG-664 High-Voltage Supply	478	1.50
22 B 4140 EW	KG-686 Deluxe RF Signal Generator	468-469	1.50
22 B 4057 EW	KG-650 RF Signal Generator	481	.75
22 B 4141 EW	KG-687 Sweep/Marker Generator	470-471	1.50
22 B 4142 EW	KG-688 Sine/Square Wave Generator	472-473	1.50
22 B 4081 EW	KG-635 DC to 5.2 MHz Scope	484-485	1.50
22 B 4086 EW	KG-675 RC Substitution Box	481	.50
22 B 4096 EW	KG-685 Color Bar/Pattern Generator	486-487	2.00
22 B 4136 EW	KG-640 20,000 Ohms/Volt VOM	464	1.00

C-555 Walkie-Talkie Kit

NO LICENSE NEEDED TO USE IT

knight-kit
CB WALKIE-TALKIES



- ✓ Educational and Fun to Build
 - ✓ Deluxe Superhet Receiver
 - ✓ Fully Crystal Controlled
 - ✓ Up to 3/4-Mile Range
- \$15⁸⁸**
Each



The C-555 walkie-talkie boasts a sensitive crystal-controlled superhet receiver for extra range. Crystal-controlled transmitter has 100-milliwatt input for up to 3/4-mile transmission. An excellent walkie-talkie for boaters, hunters, campers, fishermen, scouts, work crews, and others.

Circuit features 5 transistors plus a diode. *Silicon* transistor used in oscillator circuit for highest stability. Kit includes factory assembled and aligned IF transformers mounted on printed circuit board for simplified assembly. Other features: press-to-talk operation, volume control, 2" built-in speaker/microphone, 40" telescoping whip antenna, output jack for earphone, economical battery operation.

High-impact case, 7x3 1/2 x 2". With easy-to-follow instructions. Requires one 9-volt battery, one transmit and one receive crystal, below. Shpg. wt., 2 lbs.

22 B 3822 W..... Each 15.88

9-Volt Battery. Each C-555 takes one. Shpg. wt., 2 oz.

22 B 3014 W..... 35¢

Crystals. Specify Channel 2-22. Shpg. wt., 3 oz.

22 B 3034 CW. Transmit (One required)..... Each 2.50

22 B 3041 CW. Receive (One required)..... Each 2.50

22 B 3039 W. Civil Air Patrol Transmit..... Each 2.50

22 B 3038 W. Civil Air Patrol Receive..... Each 2.50

22 B 3092 W. Carrying Case and Strap. Wt., 6 oz..... 1.98

22 B 3094 W. Earphone with Cord and Plug. 2 oz..... 79¢

C-555 Walkie-Talkie Kit Outfits

Save \$8.10

\$39.90

\$5 monthly



Deluxe Two-Station Kit

Separately, \$48.00. Two Knight-Kit C-555 Walkie-Talkie Kits, Two 9-Volt Batteries, Two Carrying Cases, Two Earphones with Cords and Plugs, Two Transmit and Two Receive Crystals. Specify Channel 2-22. Shpg. wt., 6 lbs.

22 B 0003 W..... 39.90

Save \$4.05

\$19.95

\$5 monthly



Deluxe Single-Station Kit

Separately, \$24.00. One Knight-Kit C-555 Walkie-Talkie Kit, One 9-Volt Battery, One Carrying Case, One Earphone with Cord and Plug, One Transmit and One Receive Crystal. Specify Channel 2-22. Shpg. wt., 3 lbs.

22 B 0001 W..... 19.95



C-555 Walkie-Talkies are ideal for establishing low-cost, limited-area communications systems. Perfect for construction sites, camp areas, canoe trips, or around the home.

Use Allied's Credit Fund Plan to Get Your Walkie-Talkies Now

ALLIED 515

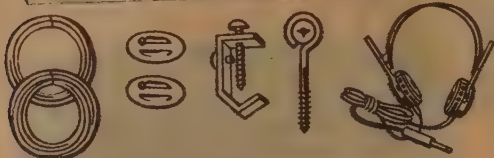
knight-kit Star Roamer® Outfits For Everyone

BUDGET-PRICED SHORTWAVE-BROADCAST RECEIVER KIT PACKAGES

See Next Page for Detailed
Star Roamer Specifications



Star Roamer Kit,
Antenna Kit
and Dual Headset



Lowest Cost Star Roamer Kit Outfit

3-Pc.
Outfit

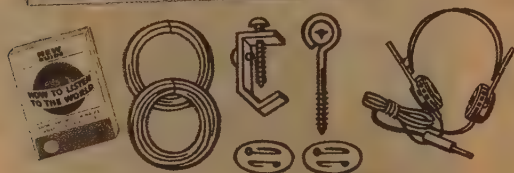
\$48⁹⁵

\$5
monthly

Perfect outfit for getting started in long-distance radio listening. Discover the thrill of armchair traveling with the easy-to-assemble and feature-packed Star Roamer. Valuable accessories assure outstanding reception of longwave and shortwave, plus regular AM stations. Outfit includes: Star Roamer 5-Band Shortwave Receiver Kit; Antenna Kit for Outdoor or Attic Mounting with 50-ft. of Wire, 25-Ft. Lead-In, Standoff, Clamp, Insulators; Dual Headset with Cord and Phone Plug. With metal cabinet, wire, solder, instructions. 5½x12¼x8". For 110-130 V, 60 Hz AC. Shpg. wt., 14 lbs.
22 B 0011 L3W. \$5 Monthly. **48.95**



Star Roamer Kit,
Antenna Kit,
Dual Headset,
84-Page Book



Deluxe Shortwave Listening Kit Outfit

4-Pc.
Outfit

\$51⁹⁵

\$5
monthly

Everything the shortwave listener needs to enjoy this entertaining, educational hobby. Guidebook has frequency listings of shortwave stations all over the world, time schedules, type of broadcast (music, news, etc.), valuable information about the hows and whys of shortwave stations. Includes: Star Roamer Receiver Kit; Antenna Kit with 50' Wire, 25' Lead-In, Standoff, Clamp, Insulators; Dual Headset with Cord and Phone Plug; and 84-Page Book "New Guide to World Listening". All parts, instructions. Shpg. wt., 15 lbs.
22 B 0268 L4W. \$5 Monthly. **51.95**



Star Roamer Kit,
Dual Headset,
Antenna Kit,
Code Key,
4 ARRL Books



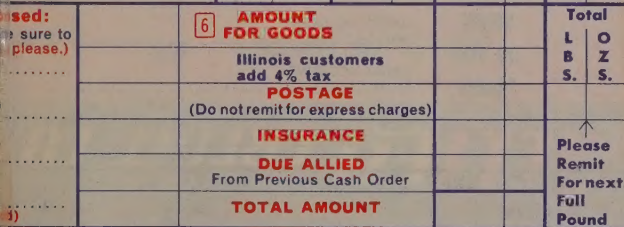
Introduction to Amateur Radio Kit

8-Pc.
Outfit

\$52⁹⁵

\$5
monthly

Learn about the exciting and educational hobby of Amateur Radio by listening to the Hams themselves. Star Roamer covers 160 through 10-meter Ham bands. Learn Morse code by actually hearing it on the air; then practice it using the code key through the rear panel jack on the receiver. Outfit includes: Star Roamer Receiver Kit; Antenna Kit; Dual Headset; 4-Book ARRL Set "Gateway to Amateur Radio"—Titles: How to Become a Radio Amateur, Learning the Radio-Telegraph Code, Operating an Amateur Radio Station, Radio Amateur's License Manual and Code Key. All parts, instructions. 5½x12¼x8". For 110-130 V, 60 Hz AC. Shpg. wt., 16 lbs.
22 B 0269 L5W. \$5 Monthly. **52.95**



CREDIT FUND ACCOUNT PLAN

ALLIED RADIO CORPORATION, Chicago, Illinois 60680: Please add the merchandise listed above as a purchase under my present Allied Credit Fund Account. This purchase will be combined with my present account, and I will pay on the one combined account according to the contract terms set forth in your current catalog and upon the conditions stated in my original contract.

PLEASE
SIGN
HERE _____

If your account was paid up 12 months ago or more, please fill in the information requested on the other side.

7

Enter Amount

(If you send card
register letter, N

- ☐ **Cash Order** \$...
- ☐ **Credit Account**
Down Payment \$...
- ☐ **Credit Account**
Monthly Payment \$...
- ☐ **C.O.D.**
(\$5.00 Minimum) \$...
(A 20% deposit is

Star Roamer® Shortwave Receiver Kit—It's Fun to Build!

knight-kit
SHORTWAVE KIT



Star Roamer Deluxe 5-Band Shortwave Receiver Kit

\$44⁹⁵

\$5 monthly

5 Bandswitched Tuning Ranges

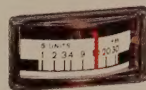
Longwave Band..... 200 to 400 kHz
Standard Broadcast Band..... 550 to 1800 kHz
1st Shortwave Band..... 1.8 to 4.8 MHz
2nd Shortwave Band..... 4.8 to 12 MHz
3rd Shortwave Band..... 12 to 30 MHz

- Covers 200 to 400 kHz plus 550 kHz to 30 MHz in 5 Bands
- Superhet Circuit Features Controlled-Regenerative IF Amplifier for Extra Selectivity
- Electronic Bandspread for Easy SW Tuning

DELUXE FEATURES



Switchable ANL



Illuminated "S" Meter



Switchable AVC

Go 'round the world with the speed of light! This receiver takes you everywhere. The choice is yours... visit the famous cities of Europe, Asia, Africa, North and South America. Hear ship-to-shore broadcasts... set your watch or clock to the exact time given by radio station WWV in Colorado... get weather reports... zero-in on Coast Guard Loran signals... listen-in on the fascinating conversations of Hams, Citizens Banders and Radio Telephoners. Hear all this, *plus* your favorite AM broadcast programs.

Features wide coverage of 200 to 400 kHz and 550 kHz to 30 MHz inclusive in 5 band-switched ranges. Illuminated "S" meter shows signal strength and correct tuning to assure best possible reception. Electronic bandspread control separates crowded stations. IF sensitivity control helps you pick-up distant stations and develops beat note for code reception and practice. AVC prevents blasting. Automatic Noise Limiter (ANL) cuts static to a minimum. Antenna trimmer peaks incoming signals. Built-in 4" speaker, front-panel headphone jack. Illuminated 7½" slide-rule dial. Code key jack for code practice.

The Star Roamer is fun to build, too—fine choice for novice kit builders. Crystal-clear non-technical instructions with extra-large illustrations are easy to follow. Use ordinary tools—long-nose pliers, cutters, screwdriver and small soldering iron. Size, 5½x12¼x8". With charcoal-gray metal cabinet, aluminum front panel. 110-130 V, 60 Hz AC.

22 B 3102 W. Shpg. wt., 12 lbs. \$5 Monthly..... 44.95

STAR ROAMER ACCESSORIES

22 B 3099 W. Antenna Kit for Outdoor or Attic. Shpg. wt., 1 lb..... 1.39
22 B 3257 W. Dual Headset with Cord and Plug. Shpg. wt., 1 lb..... 2.75
22 B 3075 W. Code Practice Key. Shpg. wt., 1 lb..... 2.35

New ALLIED Solid-State Stereo Tape Deck



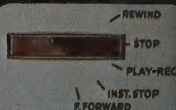
FEATURES



Capacitor-Start Motor for Extra-Smooth, Powerful Performance



Fold-Down Panel Hides Recording Controls and Mike Inputs



Five-Position Function Control With Instant Stop

\$129⁹⁵
\$7 monthly

Deluxe TD-1030 Three-Speed Stereo Tape Deck

- Built-in Stereo Headphone Amplifier • Convenient Push-to-Reset Digital Counter
- Includes Handsome Oiled Walnut Wood Case • Automatic Shutoff at End of Tape
- Automatic Tape Lifters Protect Parabolic Heads During Fast Forward and Rewind
- Two Easy-to-Read VU Level Meters for Accurate Recording Adjustments

All-new and a spectacular value—Allied's own deluxe solid-state stereo tape deck, including a walnut wood base, at an amazingly low price! Features record/play preamps for 4-track stereo/mono to play through your stereo system or console. Or you can simply plug in stereo headphones—this deck has a built-in stereo headphone amplifier with its own level control. Boasts full frequency response for brilliant high-fidelity stereo. Offers three speeds, easy single-knob control, automatic shut-off, two level meters, record ready light. Operates vertically or horizontally. Inputs: 2 mikes; 2 aux. Outputs: amplifier, low-impedance headphones. With wood base, 7" takeup reel, patch cord, splicing tape, dust cover. Order mikes below. From Japan. Shpg. wt., 23 lbs.

15 B 7103 U. \$7 Monthly.....129.95
± 3 dB, 40-12,000 Hz at 3¾ ips. Flutter/Wow: less than 0.15% at 7½ ips; 0.25% at 3¾ ips; 0.45% at 1½ ips; Signal-to-Noise Ratio: 50 dB. Harmonic Distortion: less than 1%. Equalization: NAB at 7½ ips. Maximum Reel Size: 7". Size: 15½x13½x6¾". Power Requirements: 117 volts, 60 Hz AC.

SPECIFICATIONS

Speeds: 7½, 3¾, 1½ ips. Frequency Response: ±3 dB, 30-18,000 Hz at 7½ ips; ±3 dB, 40-12,000 Hz at 3¾ ips. Flutter/Wow: less than 0.15% at 7½ ips; 0.25% at 3¾ ips; 0.45% at 1½ ips; Signal-to-Noise Ratio: 50 dB. Harmonic Distortion: less than 1%. Equalization: NAB at 7½ ips. Maximum Reel Size: 7". Size: 15½x13½x6¾". Power Requirements: 117 volts, 60 Hz AC.

SPECIAL OFFER



Complete Recording Outfit
Save \$135⁰⁰
\$28.42 \$7 monthly

Separately \$163.42. Includes Allied TD-1030 Stereo Tape Deck, 2 American/E-V D-20 Dynamic Mikes with Plugs, Deluxe Fitted Mike Carrying Case, 28 lbs. 15 B 0044L2U. \$7 Monthly. 135.00